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POST-REMEDIATION ACTION DOCUMENTATION REPORT

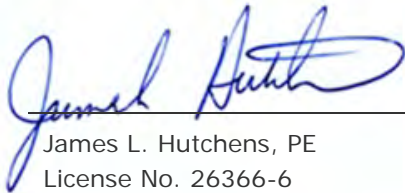
**MARQUETTE UNIVERSITY
(FORMER ONE-HOUR VALET DRYCLEANERS SITE)
1214-1222 WEST WELLS STREET
MILWAUKEE, WISCONSIN
BRRTS NO. 02-41-152248
FID NO. 241086120**

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CERTIFICATION

I, James Hutchens, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to NR 726, Wis. Adm. Code.

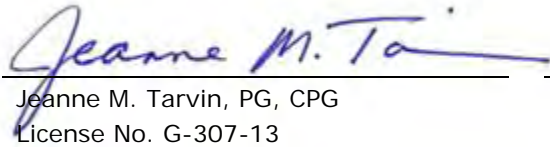

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May 26, 2020

Date



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


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May 26, 2020

Date

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ACRONYMS AND ABBREVIATIONS

ABC®	Anerobic BioChem®
amsl	above mean sea level
bgs	below ground surface
BRRTS	Bureau of Remediation and Redevelopment Tracking System
cDCE	cis-1,2-dichloroethene
CFR	Code of Federal Regulations
CVOCs	chlorinated volatile organic compounds
DERF	Drycleaner Environmental Response Fund
<i>Dhc</i>	<i>Dehalococcoides</i>
DNAPL	dense non-aqueous phase liquid
DOT	Department of Transportation
DO	dissolved oxygen
DPT	direct-push technology
DTB	depth to bottom
DTW	depth to water
ERD	enhanced reductive dechlorination
ES	enforcement standard
eV	electron-volt
Ft	feet or foot
Ft-bgs	feet or foot below ground surface
Ft/ft	foot per foot
HASP	health and safety plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
Koc	organic carbon to water partition coefficient
Marquette	Marquette University
µg/kg	microgram per kilogram
µg/L	micrograms per liter
µg/m ³	micrograms per cubic meter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mL	milliliter
mV	millivolt
MMSD	Milwaukee Metropolitan Sewerage District
MNA	monitored natural attenuation
NR	Natural Resource
ORP	oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
PAL	Preventative Action Limit
PCB	polychlorinated biphenyls
PCE	tetrachloroethene
PID	photoionization detector
ppm	part per million
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control

Ramboll	Ramboll US Corporation
RCL	residual contaminant level
RCRA	Resource Conservation and Recovery Act
RDF	recycle and disposal facility
Report	Post-Remedial Action Documentation Report
Site	Former One-Hour Valet Drycleaner Site
TCE	trichloroethene
TCLP	toxicity characteristic leaching procedure
tDCE	trans-1,2-dichloroethene
TOC	total organic carbon
UIC	Underground Injection Control
US	United States
USCS	United Soil Classification System
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound
VRSL	vapor risk screening level
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources
WM	Waste Management
ZVI	zero-valent iron

1. INTRODUCTION

Ramboll US Corporation (Ramboll), on behalf of Marquette University (Marquette), has prepared this Post-Remedial Action Documentation Report (the "Report") for the Former One-Hour Valet Drycleaner Site (the "Site") located in Milwaukee, Wisconsin. The Wisconsin Department of Natural Resources (WDNR) Bureau of Remediation and Redevelopment Tracking System (BRRTS) has assigned the case number 02-41-152248 to the Site. This Report has been prepared in accordance with Wisconsin Administrative Code (WAC) Chapter NR 724 and documents the post-remedial action site redevelopment and monitoring activities conducted from April 2019 to March 2020. In addition, this Report also provides a work plan for supplemental remedial amendment injections to further remediate groundwater impacted with chlorinated volatile organic compounds (CVOCs) at the Site. Parties currently involved with the project include the following:

Responsible Party/Site Owner:	Marquette University Mr. Joel Smullen, AIA 517 North 14 th Street Milwaukee, Wisconsin 53233 (414) 288-4620
Regulatory Agency/Project Manager:	Wisconsin Department of Natural Resources (WDNR) Mr. Issac Ross 2300 North Dr. Martin Luther King, Junior Drive Milwaukee, Wisconsin 53212-3128 (414) 263-8519
Environmental Consultant:	Ramboll US Corporation Ms. Jeanne Tarvin 175 North Corporate Drive, Suite 160 Brookfield, Wisconsin 53045 (262) 901-0085

1.1 Site Location and Description

The Site is located at 1214-1222 West Wells Street in the southwest $\frac{1}{4}$ of the northwest $\frac{1}{4}$ of Section 29, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin (Figure 1). The geographic position of the Site in 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 688795, 287401. The Site includes two tax parcels in the City of Milwaukee, including Tax Parcel Nos. 3910218000 and 3910219100.

The Site is bounded on the west by a public alley and Marquette parking structure, on the north by a hospital parking garage, on the east by North 12th Street and on the south by West Wells Street, as shown on Figure 2. The Site is currently owned by Marquette and is enrolled in the WDNR-administered Drycleaner Environmental Response Fund (DERF) Program for claimants seeking financial assistance with the site investigation and remediation of dry-cleaning solvent releases to the subsurface. The former Site buildings were demolished in 2018 in advance of the remedial action implementation activities and all associated utilities were disconnected. The balance of the paved surfaces was also removed in 2018 following implementation of the remedial actions.

The Site slopes from the northwest to the east and south, resulting in storm water drainage toward North 12th Street and West Wells Street. The nearest surface water body is the Menomonee River, which is located approximately one-half mile to the south of the Site. Potable water for the area is provided by the City of Milwaukee municipal water supply, the source of which is Lake Michigan.

1.2 Previous Remediation Activities

The Site has been subject to several subsurface investigations since 1999. Following source area soil and groundwater investigation activities, a *Remedial Design Report* (RD) including evaluation of remedial action options (Ramboll, 2018) was prepared to document the technical basis, design, and implementation approach for the selected remedial option (*in-situ* enhanced reductive dechlorination [ERD]). The Remedial Design Report was approved by the WDNR, and soil and groundwater remediation activities were conducted in July 2018. Approximately 1,940 cubic yards of CVOC impacted soil and groundwater were treated using *in-situ* ERD soil blending by incorporating zero-valent iron (ZVI) and a carbon amendment (commercially known as Anaerobic BioChem [ABC®]). The soil blending was primarily focused on treating saturated soil and groundwater at depths below the former dry cleaner's basement floor. Following completion of the soil blending activities, the balance of the former basement void was backfilled with crushed concrete from the former Site buildings. A *Remedial Action Documentation Report* (Ramboll, 2019) was submitted to the WDNR which documented the remediation activities and described the planned post-remediation monitoring. The post-remediation monitoring includes routine groundwater sampling and soil confirmation sampling.

1.3 Purpose of Report

The purpose of this Report is to summarize and document the recent Site redevelopment activities and present the results of post-remediation monitoring conducted to date. Specific objectives of this Report are identified as follows:

- Document field activities associated with Site redevelopment, including impacted soil excavation and offsite disposal;
- Document monitoring well replacement;
- Present the results of the first three post-remediation monitored natural attenuation (MNA) groundwater monitoring events;
- Document post-remediation soil confirmation soil sampling;
- Request modifications to the scope and schedule for future groundwater monitoring; and
- Present a work plan for the performance of supplemental *in-situ* ERD remediation within the treatment area.

2. SITE REDEVELOPMENT ACTIVITIES

The following section documents the field activities associated with redevelopment of the Site as a surface parking lot following completion of the 2018 building demolition and remedial action implementation (soil blending). The construction activities were initiated by Marquette and overseen by Marquette's general contractor M.A. Mortenson Company (Mortenson). Ramboll provided redevelopment support including monitoring well replacement and grade adjustments, waste characterization for excess soil due to grade changes, and general soil management support.

2.1 Site Redevelopment Overview

Parking lot construction was initiated in late July 2019 by excavating excess surface soils to accommodate proposed landscaping, curbing, and pavement. After the excess soils were removed, proper base-course materials were placed and compacted, utilities and curbing were installed, landscaping areas were planted, and asphalt pavement was placed. Storm water features were constructed in the southeastern portion of the Site and connected to the Milwaukee Metropolitan Sewerage District (MMSD) combined sewer system. The final Site redevelopment configuration is shown on Figure 2.

2.2 Monitoring Well Replacement

Two monitoring wells (PZ-1 and PZ-2) required abandonment and replacement prior to completion of Site redevelopment activities. The location of each replacement well is shown on Figure 2 and is located within three feet of their respective abandoned well.

Monitoring well PZ-1, located within the soil blending area, was abandoned on January 8, 2018 in accordance with Wisconsin Administrative Code (WAC) NR 141 prior to the start of the remediation activities. The casing and screen for PZ-1 was subsequently removed during remedial activities in July 2018. Replacement well PZ-1R was installed on April 18, 2019 after the basement backfilling activities were substantially completed. The well was installed using a drill rig capable of direct push and hollow stem auger technologies to penetrate the crushed concrete material used to backfill the former building basement. The terminal depth of PZ-1R was similar to the previous depth of PZ-1 (approximately 35 feet below ground surface [ft-bgs]).

Monitoring well PZ-2 was damaged at the surface after soil remediation activities but prior to Site redevelopment activities, causing surficial gravel to enter and obstruct the well. On July 19, 2019, well PZ-2 was abandoned in accordance with WAC NR 141 by over-drilling the existing two-inch diameter well casing using a 4.25-inch auger and backfilling the annulus with hydrated bentonite chips. Replacement monitoring well PZ-2R was installed approximately three feet west of well PZ-2 using a drill rig capable of direct-push and hollow-stem auger technologies. The terminal depth of PZ-2R was similar to the previous final depth of PZ-2 (approximately 31 ft-bgs).

Replacement monitoring wells PZ-1R and PZ-2R were completed and screened as piezometers below the water table. The wells are constructed of two-inch diameter polyvinyl chloride (PVC) riser pipe, and five feet of two-inch diameter PVC factory cut (0.010-inch) slotted well screen. During well installation, soil samples were continuously collected at five-foot internals for visual observations of soil characteristics (e.g., texture, color) and description of the soils using the Unified Soil Classification System (USCS) system. Soils from the installation of well PZ-2R were screened for volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 electron-volt (eV) lamp. Well PZ-1R is located within the 2018 soil remediation area and therefore was not screened with a PID during soil boring advancement. The wells were temporarily completed with lock-able protective riser pipes; however, after completion of Site redevelopment activities each well was converted to a flush-mount 8-inch diameter bolt-down type well compartment secured by a 2-foot by 2-foot concrete pad. All Site monitoring wells (including the replacement monitoring wells) were surveyed on October 23, 2019, to establish location coordinates and elevations.

Both wells PZ-1R and PZ-2R were developed in accordance with WAC NR 141 to remove residual materials remaining in the wells after installation. Purge water generated during well development was containerized in a United States Department of Transportation (DOT) compliant 55-gallon, open-top, drum. Well abandonment forms, soil boring logs, well construction details, and well development

forms are provided in Appendix A. Waste disposal activities associated with investigative-derived materials generated during the replacement well installation activities are discussed in Section 2.3.

2.3 Waste Characterization and Disposal

Waste characterization and disposal were required for investigative waste generated during the monitoring well replacement activities and Site redevelopment activities and are discussed in the following paragraphs.

Replacement Monitoring Well PZ-1R Drill Cuttings

Soil cuttings generated associated with replacement monitoring well PZ-1R installation activities were containerized in two DOT compliant 55-gallon, open-top drums. A waste characterization sample was collected on April 18, 2019 and submitted to Pace Analytical Services, LLC (Pace) for Protocol B analysis, which includes analysis of toxicity characteristic leaching procedure (TCLP) VOCs, TCLP Resource Conservation and Recovery Act (RCRA) metals, free liquids, flash-point, polychlorinated biphenyls (PCBs), reactive sulfide, and reactive cyanide. The two drums containing soil cuttings associated with well PZ-1R were transported off-site and disposed of by Veolia Environmental Services on June 19, 2019. The waste characterization sample analytical report is provided in Appendix B. The associated waste disposal manifest is provided in Appendix C.

Site Redevelopment Excess Soils and Replacement Monitoring Well PZ-2R Cuttings

In advance of Site redevelopment activities, a composite waste characterization soil sample was collected from the areas requiring removal of excess soil during the parking lot construction activities. On June 14, 2019, seven shallow soil borings were advanced to a maximum depth of four ft-bgs utilizing a direct-push drill rig to facilitate the collection of seven discrete soil samples. The seven discrete soil samples were composited (WC-COMP-20190614) and submitted to Pace for Protocol B analysis. The waste characterization analytical report is provided in Appendix B.

PCB Aroclor 1254 was detected in composite sample WC-COMP-20190614 at a concentration of 0.144 milligram per kilogram (mg/kg). PCB compounds were not anticipated nor previously identified as a contaminant of concern at the Site. The Aroclor 1254 detection appears to be related to electrical transformers historically located within the northwest portion of the property, which is the location where the majority of the excess soil was planned for removal to facilitate construction of the parking lot. To verify that Aroclor 1254 impacted soils were no longer present onsite, five discrete soil confirmation samples were collected on August 6, 2019 after excess soils were removed during parking lot preparation activities. These soil samples were submitted to Pace Analytical for laboratory analysis of PCBs. No PCBs were detected in these five confirmation samples. The confirmation sample analytical report is included in Appendix B.

The waste characterization results were used to profile the excess soil and PZ-2R drill cuttings for acceptance by Waste Management (WM) at a local Subtitle D landfill. Site redevelopment soils and well PZ-2R soil cuttings were loaded into dump trucks and transported to the WM Orchard Ridge Recycling and Disposal Facility (RDF) in Menomonee Falls, Wisconsin on August 1, 2019. Approximately 1,041 tons or 54 loads of impacted soils were disposed of at the WM Orchard Ridge RDF. Proposed construction grading elevations are shown on a figure provided in Appendix D. Additionally, a summary of disposed soil associated with parking lot construction is tabulated and presented in Appendix D.

3. POST-REMEDIAL ACTION GROUNDWATER MONITORING

As part of the overall Site remedial action plan, impacted groundwater within and near the 2018 soil remediation treatment area was monitored for natural attenuation. Natural attenuation is defined by the United States Environmental Protection Agency (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 groundwater sampling activities were conducted utilizing the procedures and methodology specified in the Remedial Design Report (Ramboll, 2018) and Remedial Action Documentation Report (Ramboll, 2019). The resulting analytical data were reviewed, tabulated, and compared to WAC NR 140 Preventative Action Limits (PALs) and Enforcement Standards (ES). The following sections document the first three post-remediation groundwater sampling events completed at the Site in May 2019, August 2019, and March 2020.

3.1 Post-Remedial Action Groundwater Monitoring Program and Modification

Six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2, and PZ-4) were identified for quarterly sampling as part of the WDNR approved post-remediation low-flow groundwater monitoring program. Monitoring well PZ-1R is a source area well and is located within the boundaries of the *in-situ* ERD soil blending activities. Monitoring well MW-4 is an upgradient monitoring well. The remaining monitoring wells are located downgradient of the source area.

Monitoring well PZ-2 was not sampled during the May 2019 sampling event due to damages sustained during Site redevelopment activities. Replacement well PZ-2R was installed in July 2019 and sampled during the August 2019 and March 2020 sampling events. Groundwater samples from the six monitoring wells were sampled for VOCs using USEPA Method 8260B. Monitoring wells MW-6, PZ-1R, and PZ-2R were also sampled for the following MNA parameters: ethane/ethene/methane (USEPA Method 8015), iron species (USEPA Method 6020), total organic carbon (USEPA Method 5310C), nitrate and nitrite (USEPA Method 353.2, and sulfate (USEPA Method 300).

One quality assurance/quality control (QA/QC) duplicate groundwater sample and QA/QC laboratory trip blank sample were submitted for laboratory analysis as part of each groundwater sampling event. Field parameter measurements including dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductivity, and temperature were also measured and recorded at each well during each sampling event.

Based on the results of the initial two quarterly sampling events (May 2019 and August 2019), a request for modification to the groundwater monitoring program was submitted to the WDNR to alter sampling frequency to semi-annual beginning in 2020. This request was submitted on December 4, 2019. On January 7, 2020 the WDNR responded to the request and delayed formal approval until submittal and review of this Post-Remedial Action Documentation Report. The modifications to the groundwater monitoring program are discussed in Section 6.2.1.

3.2 Groundwater Elevation Measurement

To evaluate groundwater flow directions and hydraulic gradients, groundwater elevations were measured during the May 2019, August 2019 and March 2020 groundwater sampling events and also at the time of monitoring well surveying activities (October 2019). A summary of historical groundwater elevations is presented in Table 1.

Recent groundwater elevations were generally higher when comparing the previous site-wide groundwater sampling event completed in November 2017 with the May and August 2019 and March 2020 groundwater sampling events. Seasonal groundwater variations may have been observed between recent sampling events with lower groundwater elevations observed in August 2019 and March 2020 and higher elevations observed in May and October 2019. The overall increase in groundwater elevations between November 2017 and 2019 may be attributed to the 2018 removal of impervious surfaces during building demolition and site redevelopment, and the relatively low levels in March 2020 could be associated with completion of parking lot construction in July 2019.

Groundwater potentiometric surface maps are provided as Figure 3 (May 2019), Figure 4 (August 2019), Figure 5 (October 2019), and Figure 6 (March 2020). The inferred direction of groundwater flow across the Site is generally toward the southeast, with the highest groundwater elevation observed in well MW-2 (near the northwest corner of the property) and the lowest groundwater elevation observed in MW-5 (extreme eastern portion of the property). This interpretation of local groundwater flow direction is consistent with previous observations in November 2017, prior to performance of the soil blending activities.

Horizontal and vertical gradients were evaluated between November 2017 and the three post-remedial action groundwater sampling events. The measured horizontal hydraulic gradient between wells MW-2 and MW-5 was 0.043 foot per foot (ft/ft) in November 2017, 0.059 ft/ft in August 2019, 0.052 ft/ft in October 2019, and 0.053 ft/ft in March 2020. The horizontal gradients increased somewhat after the impervious surfaces were removed and after the July 2018 remedial action and appear to have decreased after the parking lot was constructed. Vertical hydraulic gradients between wells MW-5 and PZ-4 were 0.56 ft/ft in November 2017, 0.54 ft/ft in August 2019, 0.55 ft/ft in October 2019, and 0.55 ft/ft in March 2020 and all downward. The vertical hydraulic gradients have not been affected by the removal of the impervious surfaces or the July 2018 remedial action. Horizontal and vertical hydraulic gradient trends will continue to be monitored over the duration of the groundwater monitoring program. The calculated horizontal and vertical gradients are shown in Table 2.

3.3 Field Parameter Results

Field parameters consisting of specific conductivity, DO, ORP, pH, and temperature were collected from the monitoring wells sampled during each groundwater sampling event. Specific conductivity increased in all wells sampled in May and August 2019 ranging from 501 micro Siemens per centimeter ($\mu\text{S}/\text{cm}$) in MW-6 (May 2019) to 7,977 $\mu\text{S}/\text{cm}$ in PZ-2R (August 2019). This increase in specific conductivity may be attributable to corrosion of ZVI to ferrous iron and/or the presence of phosphate buffer contained in the carbon substrate (ABC[®]). Specific conductivity varied in March 2020 from decreased values in MW-4 (4,717 $\mu\text{S}/\text{cm}$), PZ-1R (3,818 $\mu\text{S}/\text{cm}$), and PZ-4 (5,098 $\mu\text{S}/\text{cm}$); steady values in PZ-2R (7,762 $\mu\text{S}/\text{cm}$); and increased values in MW-5 (7,140 $\mu\text{S}/\text{cm}$) and MW-6 (16,558 $\mu\text{S}/\text{cm}$).

DO levels decreased in all tested wells over the three sampling events between May 2019 and March 2020, except at hydraulically cross-gradient well MW-4 where DO concentrations have fluctuated between 1.82 milligrams per liter (mg/L) and 8.53 mg/L. Other than at well MW-4, the March 2020

measured DO levels ranged from 0.00 mg/L at PZ-1R and MW-5 to 0.24 mg/L at well PZ-4. These DO concentrations indicate the general presence of anaerobic conditions at the Site.

Generally, ORP observations decreased in all tested wells over the three sampling events. The only exception was MW-4 where ORP observations slightly increased from 79.4 millivolts (mV) in August 2019 to 81.6 mV in March 2020. Negative ORP values were measured in monitoring wells within and hydraulically downgradient of the in-situ soil blending area (PZ-1R, PZ-2R, and MW-6) based on the March 2020 readings. The field parameter measurement results are shown in Table 3.

3.4 Post-Remedial Action Groundwater Laboratory Analytical Results

Groundwater samples were collected from six monitoring wells and submitted for laboratory analysis in accordance with the approved sampling plan. Copies of the May and August 2019, and March 2020 laboratory analytical reports are provided in Appendix E. Estimated concentrations above the detection limit but below the quantification limit were qualified with a "J" in the laboratory report.

3.4.1 Geochemical Analytical Results

Monitoring wells MW-6, PZ-1R were sampled for MNA parameters in May 2019. Monitoring wells MW-6, PZ-1R, and PZ-2R were sampled for MNA parameters in August 2019 and March 2020. PZ-2R was not sampled in May 2019 due to damaged sustained during Site redevelopment activities. Table 4 provides a summary of the geochemical analytical results.

Total organic carbon (TOC) concentrations are an indicator of the carbon amendment introduced to the subsurface via the *in-situ* ERD remedial action completed in July 2018. Overall concentrations of TOC have increased from pre-*in-situ* ERD conditions. Estimated (qualified with a "J" by the laboratory) concentrations of TOC in source area well PZ-1/1R increased from 0.5 mg/L in November 2017 to 124 mg/L in May 2019 and 184 mg/L in August 2019, followed by a decrease to 115 mg/L in March 2020. The March 2020 TOC concentration at well PZ-1R is substantially above the 20 mg/L threshold TOC concentration that is desired (but not required) to sustain an anaerobic dechlorination treatment zone (AFCEE, 2004). Outside of the treatment zone, TOC concentrations in downgradient monitoring wells MW-6 and PZ-2/2R were non-detect (<0.25 mg/L) in November 2017. Monitoring well MW-6 had TOC concentrations of 6.0 mg/L in May 2019, an estimated concentration of 0.57 mg/L in August 2019, and 1.8 mg/L in March 2020. Monitoring well PZ-2R had an estimated TOC concentration of 0.40 mg/L in August 2019 and 0.36 mg/L in March 2020.

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 which was introduced during soil blending activities in July 2018. Ferrous iron in PZ-1R increased from concentrations observed in November 2017 at 0.06 mg/L to 5.8 mg/L (May 2019), 6.5 mg/L (August 2019), and 5.1 mg/L (March 2020). Ferrous iron concentrations in downgradient well MW-6 decreased from 5.2 mg/L (November 2017) to non-detect (<0.20 mg/L, May 2019), and increased to 2.1 mg/L (August 2019) to 7.4 mg/L (March 2020). Ferrous iron concentrations in downgradient deep well PZ-2/2R have stayed relatively steady at 3.1 mg/L (November 2017), 3.6 mg/L (August 2019), and 2.9 mg/L (March 2020).

Sulfate and nitrate are alternative electron acceptors for microbial respiration in the absence of oxygen (anaerobic conditions). Sulfate and nitrate concentrations less than 20 mg/L and 1 mg/L (respectively) are desirable (but not required) for anaerobic dechlorination to occur. At well PZ-1/PZ-1R within the treatment zone, nitrate concentrations decreased from 0.33 mg/L in November 2017 to

non-detect since that time. Sulfate concentrations have steadily decreased at well PZ-1/PZ-1R from 155 mg/L in November 2017 to 85.9 mg/L in March 2020.

With respect to wells outside of the ERD treatment zone, none of the post-treatment groundwater samples revealed detectable concentrations of nitrate (with the exception of 0.25J mg/L in the May 2019 sample from MW-6). Post-treatment sulfate concentrations in groundwater samples obtained from outside of the treatment zone have ranged from 41.8 mg/L (May 2019 sample from MW-6) to 164 mg/L (August 2019 sample from MW-PZ-2).

Elevated methane concentrations that indicate fermentation is occurring in a highly anaerobic environment and reducing conditions are appropriate for anaerobic dechlorination of CVOCs to occur. At treatment zone well PZ-1/PZ-1R, methane concentrations have steadily increased from non-detect in November 2017 to 162 micrograms per liter ($\mu\text{g/L}$) in March 2020. At downgradient well MW-6 methane was detected for the first time in March 2020, at a concentration of 75.2 $\mu\text{g/L}$. At deep downgradient well PZ-2/PZ-2R, methane was detected in November 2017, August 2019 and March 2020, at concentrations that ranged from 10.3 $\mu\text{g/L}$ to 23.1 $\mu\text{g/L}$.

Elevated concentrations of ethene and ethane can be used to infer that anaerobic dechlorination of CVOCs is occurring. With respect to groundwater samples obtained from treatment zone well PZ-1/PZ-1R, ethene concentrations increased from non-detect in November 2017 (prior to the July 2018 soil blending event) to 32.4 $\mu\text{g/L}$ in May 2019 and 87.2 $\mu\text{g/L}$ in August 2019, followed by an order-of-magnitude increase to 974 $\mu\text{g/L}$ in March 2020. Similarly, ethane concentrations increased from non-detect in November 2017 to 337 $\mu\text{g/L}$ in May 2019, followed by another order-of-magnitude increase to 3,060 $\mu\text{g/L}$ in August 2019 and 2,130 $\mu\text{g/L}$ in March 2020. The detected presence of ethene and ethane in the treatment zone is very encouraging, as it is indicative of *Dehalococcoides* [*Dhc*] microbial development needed for complete reductive dechlorination of CVOCs to non-toxic end products.

3.4.2 VOC Analytical Results

The second post-remediation sampling event (August 2019) revealed a tetrachloroethene (PCE) concentration (83,700 $\mu\text{g/L}$) at well PZ-1R (screened within the soil blending remediation area) that was higher than the historical maximum PCE concentration at former well PZ-1 (61,000 $\mu\text{g/L}$). It should be noted, however, that (1) pre-mixing data came from a different well that was abandoned prior to mixing; and (2) the architecture of surrounding soil and contaminant distribution has been disrupted during mixing, such that groundwater samples collected from pre- and post-mixing wells are representative of different systems. Moreover, remaining concentrations of PCE at PZ-1R are indicative of the presence of dense non-aqueous phase liquid (DNAPL). If present, such DNAPL would represent a source of ongoing PCE mass release to groundwater via dissolution. The process of enhanced dechlorination also facilitates transfer of CVOC mass to the aqueous phase, where it is subject to biodegradation processes. Such enhanced desorption occurs as a result of several processes, including increased concentration gradients, enhanced partitioning from soil to groundwater due to aqueous-phase carbon flooding, and progressive decrease in the soil organic carbon-water partition coefficient (K_{oc}) for sequential degradation products. This enhanced desorption may have resulted in the temporary increase in CVOC concentrations at well PZ-1/PZ-1R. The 83,700 $\mu\text{g/L}$ PCE concentration detected at well PZ-1R in August 2019 was followed by a decline in PCE concentration, to 23,700 $\mu\text{g/L}$ in March 2020. The possible enhanced desorption may also have led to increased PCE concentrations in nearby cross-gradient well MW-4, where PCE concentrations increased from 7.8 $\mu\text{g/L}$ in November 2017 to 850 $\mu\text{g/L}$ in May 2019, followed by decreased PCE concentrations of 79.1 $\mu\text{g/L}$ in August 2019 and 57 $\mu\text{g/L}$ in March 2010.

An evaluation of molar fractions (molar concentrations of PCE, trichloroethene [TCE], cis-1,2-dichloroethene [cDCE], vinyl chloride [VC] and ethene divided by the molar concentration of total ethenes) over time is another method used to determine if biodegradation has been stimulated. Dechlorination products VC and ethene were not detected at PZ-1/PZ-1R prior to the July 2018 soil blending remedial action. Based on the pre-treatment November 2017 groundwater monitoring results, the molar fractions relative to total ethenes were 93 percent PCE, 3 percent TCE and 4 percent cDCE. By March 2020, the molar fractions relative to total ethenes were 21 percent PCE, 10 percent TCE, 57 percent cDCE, 6 percent VC and 5 percent ethene. Without sequential dechlorination, the ratios of the targeted compounds would all remain relatively constant, even if all of the concentrations would decline (due to dilution, for example). Based on these findings, substantial reduction of PCE mass is occurring within the groundwater treatment zone.

A discussion of each sampling event is presented in the following sections. Table 5 provides a summary of the VOC analytical results. The detected CVOC analytical results from the three groundwater sampling events are shown on Figures 7 through 9.

May 2019

Concentrations of VOCs were detected in four of the five monitoring wells (MW-4, MW-5, PZ-1R, and PZ-4) sampled in May 2019. Four of the five wells (MW-4, MW-5, PZ-1R, and PZ-4) had detections of PCE above the WAC NR 140 ES of 5 µg/L ranging from 20.5 µg/L (MW-5) to 60,300 µg/L (PZ-1R). Two monitoring wells (MW-4 and PZ-1R) had detections of TCE above the WAC NR 140 ES of 5 µg/L at concentrations of 5.0 µg/L and 3,310 µg/L. TCE was detected above the PAL of 0.5 µg/L but below the ES in monitoring wells MW-5 and PZ-4 at concentrations of 3.8 µg/L and 3.0 µg/L. Well PZ-1R contained cDCE above the WAC NR 140 ES of 70 µg/L, at a concentration of 30,000 µg/L. Degradation compound cDCE was detected above the PAL of 7.0 µg/L but below the ES in MW-4, MW-5, and PZ-4 at concentrations ranging from 11.3 µg/L (MW-5) to 20.8 µg/L (PZ-4). Degradation compound VC was detected above the WAC NR 140 ES of 0.2 µg/L in monitoring wells MW-5 and PZ-4 at concentrations of 2.1 µg/L and 1.0 µg/L. No VOCs were detected in monitoring well MW-6. Monitoring well PZ-2 was not sampled due to an obstruction in the well. As referenced above, well PZ-2 was abandoned and replaced in July 2019.

August 2019

Concentrations of VOCs were detected in all six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R, and PZ-4) sampled in August 2019. Five of the six monitoring wells (MW-4, MW-5, PZ-1R, PZ-2R, and PZ-4) had detections of PCE above the WAC NR 140 ES of 5 µg/L at concentrations ranging from 15.8 µg/L (PZ-4) to 83,700 µg/L (PZ-1R). Monitoring well MW-6 had a PCE detection above the PAL of 0.5 µg/L but below the ES at a concentration of 1.3 µg/L. Two monitoring wells (MW-5 and PZ-1R) had detections of TCE above the WAC NR 140 ES of 5.0 µg/L at concentrations of 5.9 µg/L and 5,450 µg/L. Monitoring well MW-4 had an estimated (“J” qualified) detection of TCE above the PAL of 0.5 µg/L but below the ES at an estimated concentration of 0.99 µg/L. Well PZ-1R had a detection of cDCE above the WAC NR 140 ES of 70 µg/L at a concentration of 108,000 µg/L. cDCE was detected above the PAL of 7.0 µg/L but below the ES in MW-5, MW-6, and PZ-2R at concentrations of 31.2 µg/L, 14.7 µg/L, and 26.9 µg/L, respectively. Five of the six monitoring wells sampled in August 2019 had detections of VC above the WAC NR 140 ES of 0.2 µg/L at concentrations ranging from “J” qualified 0.73 µg/L (MW-5) to 1,110 µg/L (PZ-1R). Concentrations of 1,1-dichloroethene were detected in PZ-1R at 140 µg/L, which is above the WAC NR 140 ES of 7 µg/L. No other VOCs were detected above WAC NR 140 criteria.

March 2020

Concentrations of VOCs were detected in all six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R, and PZ-4) sampled in March 2020. Four of the six monitoring wells (MW-4, MW-5, PZ-1R, and PZ-4) had detections of PCE above the WAC NR 140 ES of 5 µg/L at concentrations ranging from 16.0 µg/L (PZ-4) to 23,200 µg/L (PZ-1R). Three monitoring wells (MW-5, MW-6, and PZ-1R) had detections of TCE above the WAC NR 140 ES of 5.0 µg/L at concentrations of 5.0 µg/L, 13.5 µg/L, and 5,450 µg/L, respectively. Groundwater samples from MW-6 and PZ-1R had detections of cDCE above the WAC NR 140 ES of 70 µg/L, at concentrations of 239 µg/L and 108,000 µg/L. cDCE was detected above the PAL of 7.0 µg/L but below the ES in MW-5 and PZ-2R at concentrations of 14.1 µg/L and 33.9 µg/L. Five of the six monitoring wells sampled in March 2019 had detections of VC above the WAC NR 140 ES of 0.2 µg/L at concentrations ranging from 1.7 µg/L (PZ-4) to 2,630 µg/L (PZ-1R). No other VOCs were detected above WAC NR 140 criteria.

3.4.3 Waste Characterization and Disposal

Purge water and decontamination fluids from May 2019 groundwater sampling activities were containerized in 5-gallon buckets and disposed of under a previously obtained a MMSD Notice of Intent to Discharge permit to the combined sanitary sewer system via a catch-basin located in the northeast corner of the intersection of West Wells Street and 12th Street on May 2, 2019.

Based on May 2019 groundwater sampling analytical data, a waste profile was completed and approved by Veolia. Water generated during monitoring well development and groundwater sampling in August 2019 and March 2020 were containerized in 55-gallon drums and transported off-site for disposal by Veolia on August 21, 2019 and March 16, 2020, respectively. Completed waste manifests are included as Appendix C.

4. POST REMEDIAL ACTION SOIL CONFIRMATION SAMPLING RESULTS

In accordance with the RD report (Ramboll, 2018a), approximately 20 months after soil treatment activities, soil borings were completed within the treatment area to evaluate remedial progress. Eight soil borings were originally proposed in the RD report; however, per e-mail correspondence discussions with the WDNR Project Manager, Mr. Issac Ross, the number of confirmation soil borings was reduced to five due to increased costs associated with installing soil borings through crushed concrete backfill material.

On March 9, 2020, five soil borings were advanced in the soil treatment area at the locations shown on Figure 10. Soil samples were collected from each soil boring at two depth intervals based on the vertical extent of the July 2018 soil blending treatment zone. The following section summarizes the soil sampling methodology and analytical results.

4.1 Soil Boring Installation and Soil Sampling Methodology

Prior to commencing advancement of soil borings, a request for public utility location services was filed with Wisconsin One-Call (Diggers Hotline) and a private utility locator was retained to locate and identify utilities. Soil borings C1 through C5 were advanced using direct-push technology (DPT) at the locations shown on Figure 10. Soil samples were obtained from the following depths and as presented in Table 6:

- C1 – 20 to 21 ft-bgs (C1 [20-21])

- C1 – 26 to 28 ft-bgs (C1 [26-28])
- C2 – 17 to 18 ft-bgs (C2 [17-18])
- C2 – 29 to 30 ft-bgs (C2 [29-30])
- C3 – 15 to 16 ft-bgs (C3 [15-16])
- C3 – 18 to 19 ft-bgs (C3 [18-19])
- C4 – 14 to 15 ft-bgs (C4 [14-15])
- C4 – 18 to 19 ft-bgs (C4 [18-19])
- C5 – 12 to 13 ft-bgs (C5 [12-13])
- C5 – 14 to 15 ft-bgs (C5 [14-15])

The soil samples were continuously collected from the borings for classification and screening, and soil characteristics (e.g., texture, color, PID measurements) were noted on the soil boring logs. Due to poor recovery during soil boring installation at location C5 at several sampling depths, two additional soil borings (identified as C5A and C5B) were installed approximately six to twelve inches horizontally from the original soil boring location. The soil samples collected during the post-remediation soil confirmation sampling event were submitted to Pace Analytical under standard chain-of-custody procedures for VOCs using USEPA Method 8260. After the soil samples were collected, each soil boring was abandoned in accordance with WAC NR 141. Soil boring logs and abandonment forms are provided in Appendix F.

4.2 Soil Sample Analytical Results

All of the collected confirmation soil samples represent saturated soil conditions as the average depth to groundwater is roughly 10 ft-bgs. Table 6 presents a summary of VOC detections in the soil samples collected in March 2020. The associated analytical laboratory report is provided in Appendix G.

Concentrations of VOCs were detected at all five soil boring locations in all ten soil samples. The primary VOC compounds observed were CVOCs; however, minor petroleum compounds (benzene, ethylbenzene, toluene, and xylenes) were also detected. PCE was detected in all ten soil borings at concentrations ranging from 599 microgram per kilogram ($\mu\text{g}/\text{kg}$) in C5 (12-13) to 3,000,000 $\mu\text{g}/\text{kg}$ in C1 (26-28). TCE was detected in nine of the ten soil borings (all except C5 [12-13]) at concentrations ranging from 40.3 $\mu\text{g}/\text{kg}$ (estimated) in C3 (15-16) to 104,000 $\mu\text{g}/\text{kg}$ in C1 (20-21). cDCE was detected in eight of ten soil borings at concentrations ranging from 264 $\mu\text{g}/\text{kg}$ (estimated) in C5 (14-15) to 31,300 $\mu\text{g}/\text{kg}$ in C1 (26-28). Benzene was detected in two soil borings at estimated concentrations of 51.9 $\mu\text{g}/\text{kg}$ in C5 (12-13) and 63.5 $\mu\text{g}/\text{kg}$ in C2 (17-18).

The March 2020 soil confirmation results are indicative of reduced CVOC concentrations when compared with the soil sample results prior to the July 2018 remedial action. The maximum PCE soil concentration detected prior to the July 2018 remedial action was associated with a February 2011 soil sample from soil boring GP-17, which contained 6,700,000 $\mu\text{g}/\text{kg}$ of PCE (GZA, 2012). The maximum PCE concentration detected in the March 2020 confirmation soil samples was associated with sample C1 (26-28), which contained 3,000,000 $\mu\text{g}/\text{kg}$ of PCE. When collected in the field, soil sample C1 (26-28) appeared to contain a relatively low ZVI content and appeared to be less homogeneous when compared with the other confirmation soil samples. It is possible that this apparent less extensive degree of soil blending resulted in the relatively high residual PCE concentration in soil sample C1 (26-

28). Other than sample C1 (26-28), the next highest post-treatment PCE concentration location was detected at boring C2 (59.5 mg/kg), which is 98 percent lower than the 3,000 mg/kg concentration at (26-28). If the results from boring C1 are not included, the arithmetic mean concentration of PCE for the collected soil samples decreased from 802 mg/kg pre-treatment to 19 mg/kg post-treatment, which is a reduction of 98 percent.

PCE degradation products TCE and cDCE detected in the March 2020 confirmation soil samples were present at significantly higher concentrations, from a maximum of 9,300 µg/kg (TCE, GP-23, February 2011) and 19,000 µg/kg (cDCE, HA-6, August 2009) to 104,000 µg/kg (TCE, C1 [26-28]) and 31,300 µg/kg (cDCE, C1 [26-28]). The increased PCE degradation product concentrations indicate that reductive dechlorination is occurring within the treatment area.

4.3 Waste Disposal

Soil cuttings associated with the post-remedial action soil confirmation sampling activities were containerized in one DOT compliant 55-gallon, open-top drum. This drum that contained soil cuttings was transported and disposed of by Veolia on under the previously obtained waste profile created for PZ-1R. Waste manifests are provided in Appendix C.

5. SOIL VAPOR SAMPLING

This section documents the methodology and results of downgradient soil vapor sampling activities at the property boundary to assess potential vapor migration pathways through existing utility corridors along North 12th Street.

5.1 Soil Vapor Probe Installation and Sampling Methodology

One soil vapor probe (SG-01) was installed on August 15, 2019 while the sidewalk was closed for replacement as part of the Site redevelopment activities. This soil vapor probe was located at the property boundary in the immediately vicinity of subsurface utilities at the location shown on Figure 2.

Soil vapor probe SG-01 was installed using a combination of temporary soil gas installation kits from KVA[®] and AMS[®] by hand-driving a slotted aluminum drive-point attached to 1/4-inch diameter Teflon[™] tubing and sealing the top 6 to 12 inches with hydrated, granular bentonite. Once SG-01 was installed and prior to vapor sample collection, samples lines extending from the soil vapor probe to the Summa canister were vacuum tested for tightness using a pump and vacuum gauge. The initial soil vapor probe was driven to a depth of 4.5 ft-bgs; however, during leak testing activities water was observed in the sample tubing. The soil vapor probe was abandoned, and a second point was installed 1-foot south of the initial probe to a depth of 3.5 ft-bgs. Leak testing activities were initiated at the second location. Vacuum testing of the sample tubing was successful. To leak test the soil vapor probe at the surface, helium gas was released under a shroud around the base of the tubing at the bentonite seal as a leak tracer. A hand-held helium detector was used to measure helium concentrations outside of the shroud, within the shroud, and within the vapor sample. Detected helium concentrations were 300 parts per million by volume (ppmv) within the vapor sample and 10,000 ppmv within the shroud. The detected helium concentrations were within the allowable 5 percent concentration variance between the shroud and vapor samples (WDNR, 2014).

The soil vapor samples were collected using a batch-certified 6-liter Summa canister fitted with a flow controller regulating flow to approximately 200 millimeters per minute. The vapor samples were submitted to Pace Analytical for analysis of target CVOCs (PCE, TCE, cDCE, and VC) using USEPA

Method TO-15. The soil vapor probe was abandoned after sample collection by removing the sample tubing and filling the annular space with hydrated bentonite granules.

5.2 Soil Vapor Analytical Results

The results for the soil vapor sample are summarized on Table 7 and the laboratory analytical report is included as Appendix H. Only PCE was detected in soil vapor sample SG-01 at a concentration of 10.4 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). This detected concentration is well below the WDNR residential soil gas vapor risk screening level (VRSL) of 1,400 $\mu\text{g}/\text{m}^3$. Based on field observations and analytical data from soil vapor probe SG-01, the utility corridor along North 12th Street property boundary is not a vapor migration pathway of concern.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

Post-remedial action activities completed since July 2018 included installation of two replacement monitoring wells (PZ-1R and PZ-2R), redevelopment of the site as a surface parking lot, performance of three post-remedial action groundwater sampling events, post-remedial action soil confirmation sampling, and soil vapor sampling along the southeastern property boundary. The purpose of the soil and groundwater sampling activities was to assess the progress of the *in-situ* ERD remedial action completed in July 2018, where approximately 2,000 cubic yards of CVOC impacted soil and groundwater was treated via soil blending with a combination of ZVI and proprietary carbon amendment.

Three post-remedial action groundwater sampling events completed in May 2019, August 2019, and March 2020 indicate CVOCs concentrations in groundwater above WAC NR 140 ES criteria within the treatment area and immediately downgradient are dechlorinating through reductive processes. Evidence of reductive dechlorination can be observed through increasing concentrations of PCE degradation products (cDCE, VC, methane, ethane, and ethene) in groundwater. Continued elevated concentrations of TOC introduced during the July 2018 soil blending event should facilitate continued reductive dechlorination.

Post-remedial action soil confirmation samples were collected on March 9, 2020, approximately 20 months after completion of the July 2018 soil blending activities. Five soil borings were advanced to prescribed depths according to previous treatment depths. Two soil samples were collected per soil boring to evaluate the progress of the remedial action. The soil confirmation samples indicate that maximum PCE concentrations have substantially decreased since the July 2018 remedial action. In addition, increased concentrations of PCE degradation products (e.g., TCE and cDCE) in the confirmation soil samples indicate the occurrence of reductive dechlorination of PCE.

Soil vapor sampling was conducted along the North 12th Street property boundary on August 15, 2019, during the course of the site redevelopment activities. Only PCE was detected in the soil vapor sample, at a concentration below WDNR residential soil gas VRSL criteria. Based on current and future property usage (parking lot/structure), proximity to neighboring properties (greater than 60 feet), and soil vapor analytical data below the WDNR residential soil gas VRSL (PCE at 10.4 $\mu\text{g}/\text{m}^3$), no additional vapor intrusion investigations are recommended at this time.

6.2 Recommendations

6.2.1 Groundwater Monitoring Program Modification

Based on the results of three post-remedial action groundwater sampling events, reductive dechlorination of PCE is indicated through the detected increasing concentrations of PCE degradation products (cDCE, VC, methane, ethane, and ethene) in groundwater. Continued elevated concentrations of TOC introduced during the July 2018 soil blending event should facilitate continued reductive dechlorination. However, remaining concentrations of PCE at well PZ-1R may be indicative of the presence of DNAPL droplets, as separate phase DNAPL has not been detected. If present, such DNAPL would represent a source of ongoing PCE mass release to groundwater via dissolution. Given the possible presence of DNAPL within the treatment zone, an extended timeframe may be required to reduce CVOC concentrations at the Site. As such, collection of groundwater samples on a semi-annual basis is appropriate given the current CVOC concentrations and low permeability site setting.

In terms of the scope of laboratory analyses, nitrate-reducing and ferric iron conditions have been established within the treatment zone based on the absence of detectable nitrate and ferric concentrations in post-remediation groundwater samples. Moreover, pre-treatment concentrations of nitrate in groundwater were relatively low (maximum 0.33 mg/L observed in PZ-1). Concentrations of dissolved iron is a combination of ferric iron and ferrous iron and predominantly is composed of ferrous iron. As such, collection of additional groundwater samples for laboratory analysis for nitrate, dissolved iron, and ferric iron is not warranted. Based on the quantity of other MNA data obtained to date, geochemical conditions outside of the groundwater treatment zone are well understood such that additional collection of such data is not warranted. Based on the foregoing, Ramboll requests WDNR approval to discontinue laboratory analysis of groundwater samples for nitrate, dissolved iron, and ferric iron, and limit the remaining MNA parameter analyses identified on Table 4 to only groundwater samples obtained from treatment zone well PZ-1R.

6.2.2 Supplemental *In-Situ* ERD Remediation Activities

Based on residual CVOC concentrations detected in a subset of the post-remedial action soil and groundwater samples collected to date (in particular the CVOC concentrations detected in soil samples obtained from confirmation soil boring C1), Ramboll proposes completion of supplemental remedial actions to further enhance reductive dechlorination at the Site. These supplemental remedial actions would be completed through amendment injection via approximately nine proposed injection wells that would be installed within the 2018 treatment area. The installation of injection wells would allow for subsequent amendment injections, if needed, with minimal disruption to the current use of the Site as a parking lot. A work plan for the proposed supplemental *in-situ* ERD remedial actions is presented in Section 7.

7. SUPPLEMENTAL *IN-SITU* ERD REMEDIATION WORK PLAN

7.1 Pre-Supplemental Injection Activities

7.1.1 Health and Safety Plan

Consistent with the requirements of the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) Standard (29 CFR 1910.120), the site-specific health and safety plan (HASP) will be updated with injection well installation and injection monitoring activities. All remediation contractors will be responsible for their own site-specific HASP.

7.1.2 Underground Injection Control (UIC) Permit

In accordance with the Wisconsin Pollutant Discharge Elimination System (WPDES) general permit requirements, a temporary exemption for injection in accordance with WAC NR 140.28(5) and approval to inject remedial materials under WAC NR 812.05 will be requested and secured prior to completing any injection activities. The permit application will be submitted under separate cover to the WDNR. A Discharge Monitoring Report Form will be required to be submitted to the WDNR identifying the quantities of injected chemical amendment during each injection event.

7.1.3 Utility Locating

Prior to commencing installation of injection wells, subsurface work, a request for public utility location services will be filed with Wisconsin One-Call (Diggers Hotline) and a private utility locator will be retained to locate and identify utilities.

7.2 Implementation of Supplemental Injection Activities

7.2.1 Injection Well Layout

To adequately provide supplemental chemical amendment to treatment area soils, nine injection wells will be installed utilizing a DPT rig equipped with large diameter DPT tooling allowing for the installation of pre-packed one-inch diameter wells of varying screen lengths in accordance with WAC NR 141. The wells will be installed at locations within the July 2018 treatment area where March 2020 soil confirmation samples indicated elevated CVOC concentrations (near soil confirmation borings C1, C2, C4, and C5, as shown on Figure 11. The number and location of the injection wells may be modified based on conditions encountered in the field.

7.2.2 Injection Well Installation and Chemical Amendment Application Activities

Prior to well installation, abrupt elevated pressure techniques (fracturing) will be applied to create fractures within the soil matrix across the treatment and proposed screened interval. Applied pressures are anticipated to range between 200 and 300 pounds per square inch (psi). Voids created during the fracturing will be immediately occupied with an emulsion of fine-grain quartz sand, ZVI, carbon amendment, and bioaugmentation microbial culture. Three of the injection borings near boring C1 will have six fracture horizons at approximate discrete depths of 20, 22.5, 25, 27.5, 30, and 32.5 ft-bgs. Fracture thickness is anticipated to be approximately one-quarter inch and radiate approximately 7 to 8 feet from each boring location. Three injection borings near boring C2 will have three fracture horizons at approximate depths of 25, 27.5, and 30 ft-bgs. The remaining three injection borings near borings C4 and C5 will have two fracture horizons at 13 and 15 ft-bgs.

Each fracture will receive approximately 250 pounds of sand, 100 pounds of ZVI, 35 gallons of carbon amendment, and 100 milliliters (mL) of KB-1 bioaugmentation bacteria culture. The KB-1 bioaugmentation bacteria culture is a naturally occurring, non-pathogenic microbial culture that contains *Dhc*. *Dhc* is a group of microorganisms documented to promote the complete dechlorination of chlorinated ethenes to non-toxic ethene (Lu, 2006). The injection of *Dhc* will replenish and increase the existing microbial colony. Estimated total amendment quantities to be applied during the injection well installation activities are approximately 9,750 pounds of sand, 3,900 pounds of ZVI, 1,400 gallons of carbon amendment, and one gallon of KB-1 bioaugmentation bacteria culture. All chemical amendments will be stored and managed within a secured remediation injection trailer.

Following the application of the chemical amendment in the induced fractures at each soil boring, DPT tooling will be removed from the soil boring and decontaminated using potable water. Each pre-packed well will be installed within the annulus and completed at the surface within an eight-inch

diameter bolt-down type flush-mount well compartment secured in a concrete pad. Soil cuttings are not anticipated to be generated during the well installation activities within the treated soil area due to the installation of pre-packed monitoring wells. The anticipated waste material is anticipated to be limited to surficial asphalt cores associated with the well compartment installation.

The need for additional amendment injection events will be evaluated using groundwater analytical data (e.g., TOC and VOCs), groundwater field parameter data (e.g., DO, ORP, and pH), and CVOC molar trends. If necessary, these additional injection events will be completed to replenish the carbon amendment (ABC[®]), and possibly the KB-1 bioaugmentation bacteria culture. If additional injections are warranted, WDNR approval of the quantities and volumes of the proposed chemical amendments will be sought in advance.

7.2.3 Potable Water Use

During chemical amendment preparation potable water will be used to create the aqueous ABC[®] solution. Water will be obtained from a faucet located in the adjacent Marquette parking garage immediately west of the remediation area. Potable water will be deoxygenated prior to injection activities. Deoxygenation will be completed by adding a combination of sugar and yeast or sodium sulfite. The volumes of deoxygenation chemicals used will be based on the quantity of required deoxygenated water.

7.2.4 Injection Monitoring Activities

Pre-Injection Vapor Screening and Screening of Ambient Air

During implementation of the *in-situ* injection activities, pre-injection vapor screening including the screening of ambient air at the injection site will not be conducted. All remediation activities will be performed in closed environments (e.g., mixing of remediation materials in closed tanks) or will be injected at depths greater than 12 feet bgs. Additionally, remediation materials are non-reactive (carbon, iron filings, sand, and non-pathogenic bacteria) and in an aqueous solution. Fugitive emissions are not anticipated during injection activities.

Injection Monitoring Activities

Surface materials (e.g. asphalt and vegetation) will be visually monitored during injection activities. If remediation material is observed to daylight or surface at the injection point, the injection process will be immediately stopped. After pressures in injection lines have decreased, the injection will resume at a lower injection rate and pressure. If remediation material is continuously observed to be daylighting during injection activities, the injection will cease at the location.

Post-Injection Monitoring Activities

Following injection activities, verification of injection activities will be completed by continuing the semi-annual groundwater monitoring program in September/October 2020.

7.3 Post-Injection Performance Monitoring

Evaluation of post-supplemental amendment injection activities will be conducted based on groundwater quality data collected as part of future semi-annual groundwater monitoring events. The groundwater data will be evaluated to determine the need for and scope of possible future amendment injection events.

7.4 Supplemental Treatment and Groundwater Monitoring Reporting

Ramboll will submit groundwater monitoring reports to the WDNR on an annual basis. The reports will include groundwater elevation data, field parameter measurements, analytical laboratory data, interpretations, conclusions and recommendations regarding the scope of future monitoring or remedial actions. The methodology and results of the 2020 supplemental treatment will be included as part of the 2020 Groundwater Monitoring Report.

7.5 Termination of Groundwater Monitoring Program

In accordance with the RD (Ramboll, 2018), the groundwater monitoring program will continue until it is demonstrated that CVOC concentrations are stable or decreasing to the extent that regulatory case closure under WAC NR 726 is appropriate.

7.6 Implementation Schedule

The supplemental *in-situ* ERD injection activities are proposed to be completed during the week of June 29, 2020, pending receipt of UIC permit approval from the WDNR. The next semi-annual groundwater sampling is anticipated to be completed in September/October 2020. The 2020 Annual Groundwater Monitoring Report will be submitted to the WDNR in early 2021.

8. REFERENCES

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TABLES

Table 1: Groundwater Elevation Summary
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	MW-1		MW-2		MW-3		MW-4		MW-5	
Top of Casing Elevation (TOC ft msl) ^(A)	647.95		655.74		649.54		652.32		653.26	
Ground Surface Elevation (ft) ^(A,B)	648.30		656.00		649.70		652.70		650.40	
Top of Well Screen Elevation (ft msl) ^(A)	640.10		645.50		639.50		644.40		641.80	
Bottom of Well Screen Elevation (ft msl) ^(A)	630.10		635.50		629.50		634.40		631.80	
October 2019 Top of Casing Elevation (ft amsl)	647.75		654.70		649.28		651.98		649.23	
October 2019 Ground Surface (ft amsl)	648.16		655.47		649.65		652.33		649.75	
Sample Date	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)
5/8/2002	10.50	637.45	7.20	648.54	11.38	638.16	NI	NI	NI	NI
7/11/2003	11.14	636.81	9.87	645.87	11.20	638.34	NI	NI	NI	NI
8/7/2003	11.92	636.03	10.43	645.31	12.31	637.23	13.81	638.51	16.88	636.38
10/7/2004	12.35	635.60	11.15	644.59	12.39	637.15	13.56	638.76	17.13	636.13
8/25/2009	10.80	637.15	10.85	644.89	9.62	639.92	12.02	640.30	15.72	637.54
11/2/2011	10.68	637.27	13.13	642.61	11.17	638.37	12.68	639.64	16.04	637.22
11/1/2017 & 11/9/2017*	10.52	637.43	10.74	645.00	10.22	639.32	12.81	639.51	16.11	637.15
5/2/2019	NM	NM	NM	NM	NM	NM	9.32	643.00	11.75	641.51
8/14/2019 ⁽³⁾	9.85	637.90	6.90	647.80	8.87	640.41	10.63	641.35	12.34	636.89
10/23/2019 ⁽³⁾	8.83	638.92	7.35	647.35	8.75	640.53	9.70	642.28	11.41	637.82
3/10/2020 ⁽³⁾	9.10	638.65	7.34	647.36	9.04	640.24	9.82	642.16	11.57	637.66

Notes:

Data collected prior to 2017 presented in a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

^(A) Top of casing elevations, ground surface elevations, and screen intervals presented in GZA GeoEnvironmental, Inc.'s February 24, 2012 Site Investigation Report.

^(B) Relative to mean sea level

⁽¹⁾ PZ-1 and PZ-3 abandoned on 1/11/2018

⁽²⁾ PZ-2 abandoned and replaced on 7/19/2019

⁽³⁾ Groundwater elevation calculated using October 2019 Survey data.

* Groundwater elevation measurements for MW-6, MW-7, MW-8, and MW-9 collected on November 9, 2017.

DTW = Distance to water

MSL = Mean Sea Level

NI = Not installed at the time of the water level measurement

NM = Not Measured

TOC = Top of Casing

-- = Data Not Available

Table 1: Groundwater Elevation Summary
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	MW-6		MW-7		MW-8		MW-9		PZ-1 ⁽¹⁾	
Top of Casing Elevation (TOC ft msl) ^(A)	648.11		649.74		649.80		650.27		653.10	
Ground Surface Elevation (ft) ^(A,B)	648.50		649.90		650.00		650.40		653.70	
Top of Well Screen Elevation (ft msl) ^(A)	640.30		648.20		648.40		643.50		623.80	
Bottom of Well Screen Elevation (ft msl) ^(A)	630.30		638.20		638.40		633.50		618.80	
October 2019 Top of Casing Elevation (ft amsl)	648.26		649.56		649.63		650.73		NM	
October 2019 Ground Surface (ft amsl)	648.51		649.75		649.77		651.39		NM	
Sample Date	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)
5/8/2002	NI	NI	NI	NI	NI	NI	NI	NI	18.20	634.90
7/11/2003	NI	NI	NI	NI	NI	NI	NI	NI	19.59	633.51
8/7/2003	NI	NI	NI	NI	NI	NI	NI	NI	20.10	633.00
10/7/2004	NI	NI	NI	NI	NI	NI	NI	NI	20.82	632.28
8/25/2009	10.85	637.26	7.16	642.58	7.18	642.62	13.05	637.22	21.52	631.58
11/2/2011	10.79	637.32	9.01	640.73	9.09	640.71	13.19	637.08	NM	NM
11/1/2017 & 11/9/2017*	10.30	637.81	8.98	640.76	9.39	640.41	13.30	636.97	22.97	630.13
5/2/2019	8.76	639.35	NM	NM	NM	NM	NM	NM	--	--
8/14/2019 ⁽³⁾	9.34	638.92	7.60	641.96	7.89	641.74	13.90	636.83	--	--
10/23/2019 ⁽³⁾	8.19	640.07	7.85	641.71	7.72	641.91	12.95	637.78	--	--
3/10/2020 ⁽³⁾	8.30	639.96	8.00	641.56	6.78	642.85	13.95	636.78	--	--

Notes:

Data collected prior to 2017 presented in a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

^(A) Top of casing elevations, ground surface elevations, and screen intervals presented in GZA GeoEnvironmental, Inc.'s February 24, 2012 Site Investigation Report.

^(B) Relative to mean sea level

⁽¹⁾ PZ-1 and PZ-3 abandoned on 1/11/2018

⁽²⁾ PZ-2 abandoned and replaced on 7/19/2019

⁽³⁾ Groundwater elevation calculated using October 2019 Survey data.

* Groundwater elevation measurements for MW-6, MW-7, MW-8, and MW-9 collected on November 9, 2017.

DTW = Distance to water

MSL = Mean Sea Level

NI = Not installed at the time of the water level measurement

NM = Not Measured

TOC = Top of Casing

-- = Data Not Available

Table 1: Groundwater Elevation Summary
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	PZ-1R		PZ-2 ⁽²⁾		PZ-2R		PZ-3 ⁽¹⁾		PZ-4	
Top of Casing Elevation (TOC ft msl) ^(A)	--		648.74		--		653.41		649.78	
Ground Surface Elevation (ft) ^(A,B)	--		649.10		--		653.70		650.30	
Top of Well Screen Elevation (ft msl) ^(A)	622.18		624.00		623.04		608.00		609.80	
Bottom of Well Screen Elevation (ft msl) ^(A)	617.18		619.00		618.04		603.00		604.80	
October 2019 Top of Casing Elevation (ft amsl)	652.18		NM		649.539		NM		649.56	
October 2019 Ground Surface (ft amsl)	652.69		NM		650.002		NM		650.20	
Sample Date	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)	Depth to Water (ft)	GW Elevation (ft msl)
5/8/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/11/2003	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
8/7/2003	NI	NI	25.54	623.20	NI	NI	NI	NI	NI	NI
10/7/2004	NI	NI	24.93	623.81	NI	NI	33.14	620.27	NI	NI
8/25/2009	NI	NI	23.42	625.32	NI	NI	31.15	622.26	NM	NM
11/2/2011	NI	NI	23.74	625.00	NI	NI	31.45	621.96	28.40	621.38
11/1/2017 & 11/9/2017*	NI	NI	23.22	625.52	NI	NI	31.10	622.31	27.83	621.95
5/2/2019	27.41	--	--	--	NI	NI	--	--	27.48	622.30
8/14/2019 ⁽³⁾	29.80	622.38	--	--	25.29	624.25	--	--	27.15	622.41
10/23/2019 ⁽³⁾	29.01	623.17	--	--	25.00	624.54	--	--	26.90	622.66
3/10/2020 ⁽³⁾	29.40	622.78	--	--	25.40	624.14	--	--	27.10	622.46

Notes:

Data collected prior to 2017 presented in a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

^(A) Top of casing elevations, ground surface elevations, and screen intervals presented in GZA GeoEnvironmental, Inc.'s February 24, 2012 Site Investigation Report.

^(B) Relative to mean sea level

⁽¹⁾ PZ-1 and PZ-3 abandoned on 1/11/2018

⁽²⁾ PZ-2 abandoned and replaced on 7/19/2019

⁽³⁾ Groundwater elevation calculated using October 2019 Survey data.

* Groundwater elevation measurements for MW-6, MW-7, MW-8, and MW-9 collected on November 9, 2017.

DTW = Distance to water

MSL = Mean Sea Level

NI = Not installed at the time of the water level measurement

NM = Not Measured

TOC = Top of Casing

-- = Data Not Available

Table 2: Vertical and Horizontal Gradients

Former One-Hour Valet Dry Cleaners
 1214 West Wells Street, Milwaukee, Wisconsin
 Ramboll Project No. 1690005819

Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Water Level Measurement (ft btoc)	Ground-water Elevation (ft-amsl)	Screen Length (ft)	Top of Well Screen Elevation (ft-amsl)	Bottom of Well Screen Elevation (ft-amsl)	Mid-Point of Well Screen Elevation (ft-amsl)	Vertical Gradient Calculation Value (ft-amsl)	Head Difference (ft)	Vertical Gradient (ft/ft)/Direction	
MW-5	11/1/2017	653.26	16.11	637.15	10.00	641.80	631.80	636.80	634.5	-15.20	-0.56	Downward
PZ-4	11/1/2017	649.78	27.83	621.95	5.00	609.80	604.80	607.30	607.3			
MW-5	8/14/2019	649.23	12.34	636.89	10.00	641.80	631.80	636.80	634.3	-14.48	-0.54	Downward
PZ-4	8/14/2019	649.56	27.15	622.41	5.00	609.80	604.80	607.30	607.3			
MW-5	10/23/2019	649.23	11.41	637.82	10.00	641.80	631.80	636.80	634.8	-15.16	-0.55	Downward
PZ-4	10/23/2019	649.56	26.90	622.66	5.00	609.80	604.80	607.30	607.3			
MW-5	3/10/2020	649.23	11.57	637.66	10.00	641.80	631.80	636.80	634.7	-15.20	-0.55	Downward
PZ-4	3/10/2020	649.56	27.10	622.46	5.00	609.80	604.80	607.30	607.3			

Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Water Level Measurement (ft btoc)	Ground-water Elevation (ft-amsl)	Distance Between Monitoring Wells (ft)	Groundwater Elevation Difference (ft)	Horizontal Gradient (ft/ft)
MW-2	11/1/2017	655.74	10.74	645.00	184	7.9	0.043
MW-5	11/1/2017	653.26	16.11	637.15			
MW-2	8/14/2019	654.70	6.90	647.80	184	10.9	0.059
MW-5	8/14/2019	649.23	12.34	636.89			
MW-2	10/23/2019	654.70	7.35	647.35	184	9.5	0.052
MW-5	10/23/2019	649.23	11.41	637.82			
MW-2	3/10/2020	654.70	7.34	647.36	184	9.7	0.053
MW-5	3/10/2020	649.23	11.57	637.66			

Notes:

ft - feet
 amsl - above mean sea level
 btoc - below top of casing

Table 3: Groundwater Field Parameter Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Parameter		pH	Dissolved oxygen	Oxidation Reduction Potential	Turbidity	Specific Conductivity	Temperature
Units		S.U.	mg/L	mV	NTU	uS/cm	°C
Monitoring Well ID	Sample Date						
MW-1	1/14/2002	NR	10.39	-37	NR	NR	NR
	5/8/2002	NR	3.57	287.1	NR	NR	NR
	8/7/2003	NR	0.22	161.3	NR	NR	NR
	10/7/2003	NR	1.05	396.8	NR	NR	NR
	8/25/2009	NR	0.69	95	NR	NR	NR
	11/1/2017	7.31	1.69	57.7	2.03	16.08	17.53
MW-2	1/14/2002	NR	6.42	168	NR	NR	NR
	5/8/2002	NR	1.07	257	NR	NR	NR
	8/7/2003	NR	0.10	2.30	NR	NR	NR
	10/7/2003	NR	4.43	364	NR	NR	NR
	8/27/2009	NR	0.98	86.0	NR	NR	NR
	11/1/2017	7.70	1.71	-74.3	2.53	6,370	14.21
MW-3	8/7/2003	NR	0.15	68.0	NR	NR	NR
	10/7/2003	NR	5.74	327.8	NR	NR	NR
	8/27/2009	NR	1.01	16.0	NR	NR	NR
	11/1/2017	7.56	0.73	-125.6	2.00	16,100	14.53
MW-4	8/7/2003	NR	5.83	139	NR	NR	NR
	10/7/2003	NR	3.44	383.4	NR	NR	NR
	8/25/2009	NR	2.55	77.0	NR	NR	NR
	11/2/2017	7.80	0.88	-19.8	1.40	11,680	14.86
	5/2/2019	7.34	8.40	140.7	3.04	5,184	9.64
	8/14/2019	7.11	1.82	79.4	0.82	7,485	15.06
	3/10/2020	7.15	8.53	81.6	2.26	4,717	8.60
MW-5	8/7/2003	NR	0.86	190.5	NR	NR	NR
	10/7/2003	NR	1.05	396.8	NR	NR	NR
	8/27/2009	NR	0.99	98.0	NR	NR	NR
	11/2/2017	8.10	2.04	18.6	2.16	6,544	15.49
	5/2/2019	7.49	2.01	159.1	4.99	3,070	9.92
	8/14/2019	7.53	0.18	63.4	4.23	4,120	17.45
	3/10/2020	7.80	0.00	21.1	8.24	7,140	11.00
MW-6	8/25/2009	NR	NR	-50.0	NR	NR	NR
	11/9/2017	7.39	0.62	-112.7	NR	6,787	14.81
	5/2/2019	9.31	11.4	94.8	5.91	501	7.66
	8/14/2019	6.82	0.83	3.10	15.5	7,265	17.13
	3/10/2020	7.62	0.01	-154.3	25.4	16,558	11.50
MW-7	11/9/2017	7.72	7.49	-50.7	58.9	5,026	10.72
MW-8	11/9/2017	7.28	4.03	-28.7	NR	5,666	11.71
MW-9	11/9/2017	7.75	6.40	-42.6	2.00	3,573	11.78
PZ-1	1/15/2002	NR	0.66	-65.3	NR	NR	NR
	5/8/2003	NR	1.31	-18.3	NR	NR	NR
	8/8/2003	NR	0.12	-93.7	NR	NR	NR
	10/7/2003	NR	0.09	-97.1	NR	NR	NR
	8/25/2009	NR	0.83	-73.0	NR	NR	NR
	11/25/2017	8.14	0.64	38.5	20.3	15,260	13.09
PZ-1 abandoned on 1/11/2018. PZ-1R installed on 4/18/2019.							
PZ-1R	5/2/2019	7.05	1.01	-102.6	3.02	3,351	12.25
	8/14/2019	6.97	0.21	-138.4	11.2	4,930	14.36
	3/10/2020	7.58	0.00	-270.1	5.21	3,818	11.10
PZ-2	8/8/2003	NR	0.19	-41.3	NR	NR	NR
	10/6/2003	NR	0.15	-35.1	NR	NR	NR
	8/27/2009	NR	0.78	-16.0	NR	NR	NR
	11/1/2017	7.64	2.67	-100.3	51.2	5,405	13.52
PZ-2 abandoned on 7/19/2019. PZ-2R installed on 7/19/2019.							
PZ-2R	8/14/2019	7.15	0.13	-36.8	4.72	7,977	13.85
	3/10/2020	7.29	0.10	-68.3	8.35	7,762	10.20
PZ-3	8/25/2009	NR	0.72	-53.0	NR	NR	NR
	11/2/2017	7.98	1.34	-103.8	17.8	6,042	12.18
PZ-3 abandoned on 1/11/2018							

Table 3: Groundwater Field Parameter Results

Former One-Hour Valet Dry Cleaners
 1214 West Wells Street, Milwaukee, Wisconsin
 Ramboll Project No. 1690005819

Parameter		pH	Dissolved oxygen	Oxidation Reduction Potential	Turbidity	Specific Conductivity	Temperature
Units		S.U.	mg/L	mV	NTU	uS/cm	°C
Monitoring Well ID	Sample Date						
PZ-4	8/25/2009	NR	0.72	-55.0	NR	NR	NR
	11/2/2017	7.76	1.47	-111.8	8.75	10,580	12.94
	5/2/2019	7.02	2.99	48.2	5.56	2,193	11.39
	8/14/2019	6.95	0.24	-40.0	6.87	6,714	16.55
	3/10/2020	6.98	0.24	-61.7	9.25	5,098	11.60

Notes:

S.U. = Standard Units

mg/L = milligrams per Liter

mV = millivolts

umhos/cm = micromhos per centimeter

°C = Celsius

NR - Not Recorded

Table 4: MNA Parameter Groundwater Sampling Results

Former One-Hour Valet Dry Cleaners
 1214 West Wells Street, Milwaukee, Wisconsin
 Ramboll Project No. 1690005819

Well ID	Sample Date	Dissolved Oxygen (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Iron, Dissolved (mg/L)	Iron, Ferric (mg/L)	Iron, Ferrous (mg/L)	Methane (µg/L)	Nitrogen, NO ₂ plus NO ₃ (mg/L)	ORP (mV)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
MW-1	1/14/2002	10.39	NA	NA	NA	NA	NA	NA	NA	-37.0	NA	NA
	5/8/2002	3.57	NA	NA	NA	NA	NA	NA	NA	287.1	NA	NA
	8/7/2003	0.22	NA	NA	NA	NA	NA	NA	NA	161.3	NA	NA
	10/7/2003	1.05	0.028	0.049	NA	NA	NA	14	NA	396.8	NA	NA
	8/25/2009	0.69	<10	<10	NA	NA	NA	<10	NA	95.0	NA	1.26
	11/1/2017	1.69	<0.58	<0.52	0.0126 J	0.0 J	<0.017	<1.4	<0.095	57.7	<100	<0.25
MW-2	1/14/2002	6.42	NA	NA	NA	NA	NA	NA	NA	168.4	NA	NA
	5/8/2002	1.07	NA	NA	NA	NA	NA	NA	NA	256.9	NA	NA
	8/7/2003	0.10	NA	NA	NA	NA	NA	NA	NA	2.3	NA	NA
	10/7/2003	4.43	0.018	0.021	NA	NA	NA	22	NA	364.0	NA	NA
	8/27/2009	0.98	NA	NA	NA	NA	NA	NA	NA	86.0	NA	NA
	11/1/2017	1.71	<0.58	<0.52	1.77	0.54	1.2 H3	<1.4	<0.095	-74.3	93.5	<0.25
MW-3	8/7/2003	0.15	NA	NA	NA	NA	NA	NA	NA	68.0	NA	NA
	10/7/2003	5.74	0.16	0.056	NA	NA	NA	45	NA	327.8	NA	NA
	8/27/2009	1.01	NA	NA	NA	NA	NA	NA	NA	16.0	NA	NA
	11/1/2017 ¹	0.73	NA	NA	NA	NA	NA	NA	NA	-125.6	NA	NA
MW-4	8/7/2003	5.83	NA	NA	NA	NA	NA	NA	NA	139.0	NA	NA
	10/7/2003	3.44	0.021	0.033	NA	NA	NA	22	NA	383.4	NA	NA
	8/25/2009	2.55	NA	NA	NA	NA	NA	NA	NA	77.0	NA	NA
	11/2/2017	0.88	NA	NA	NA	NA	NA	NA	NA	-19.8	NA	NA
	5/2/2019	8.40	NA	NA	NA	NA	NA	NA	NA	140.7	NA	NA
	8/14/2019	1.82	NA	NA	NA	NA	NA	NA	NA	79.4	NA	NA
MW-5	3/10/2020	8.53	NA	NA	NA	NA	NA	NA	NA	81.6	NA	NA
	8/7/2003	0.86	NA	NA	NA	NA	NA	NA	NA	190.5	NA	NA
	10/7/2003	1.05	0.041	0.0097	NA	NA	NA	0.99	NA	396.8	NA	NA
	8/27/2009	0.99	<10	<10	NA	NA	NA	136	NA	98.0	NA	1.82
	11/2/2017	2.04	NA	NA	NA	NA	NA	NA	NA	18.6	NA	NA
	5/2/2019	2.01	NA	NA	NA	NA	NA	NA	NA	159.1	NA	NA
MW-6	8/14/2019	0.18	NA	NA	NA	NA	NA	NA	NA	63.4	NA	NA
	3/10/2020	0.00	NA	NA	NA	NA	NA	NA	NA	21.1	NA	NA
	8/25/2009	1.0	NA	NA	NA	NA	NA	NA	NA	-50.0	NA	NA
	11/9/2017 ¹	0.62	<0.58	<0.52	13.6	8.3	5.2 H3	<1.4	<0.095	-112.7	82.4	<0.25
	5/2/2019	11.38	<0.58	<0.52	103	1030	<0.20	<1.4	0.25 J	94.8	41.8	6.0
MW-7	8/14/2019	0.83	<0.58	<0.52	1.7	<0.20	2.1 H3	<1.4	<0.0	3.1	95.6	0.57 J
	3/10/2020	0.01	<1.2	<1.2	6.68	<0.20	7.4 H3	75.2	<0.059	-154.3	87.0 J	1.8
	8/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017 ²	7.49	NA	NA	NA	NA	NA	NA	NA	-50.7	NA	NA
MW-8	8/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017 ³	4.03	NA	NA	NA	NA	NA	NA	NA	-28.7	NA	NA
MW-9	8/27/2009	NA	<10	<10	NA	NA	NA	<10	NA	NA	NA	1.27
	11/9/2017	6.40	NA	NA	NA	NA	NA	NA	NA	-42.6	NA	NA

Table 4: MNA Parameter Groundwater Sampling Results

Former One-Hour Valet Dry Cleaners
 1214 West Wells Street, Milwaukee, Wisconsin
 Ramboll Project No. 1690005819

Well ID	Sample Date	Dissolved Oxygen (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Iron, Dissolved (mg/L)	Iron, Ferric (mg/L)	Iron, Ferrous (mg/L)	Methane (µg/L)	Nitrogen, NO ₂ plus NO ₃ (mg/L)	ORP (mV)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
PZ-1	1/15/2002	0.66	NA	NA	NA	NA	NA	NA	NA	-65.3	NA	NA
	5/8/2003	1.31	NA	NA	NA	NA	NA	NA	NA	-18.3	NA	NA
	8/8/2003	0.12	NA	NA	NA	NA	NA	NA	NA	-93.7	NA	NA
	10/7/2003	0.09	1.7	0.48	NA	NA	NA	7	NA	-97.1	NA	NA
	8/25/2009	0.83	<10	<10	NA	NA	NA	<10	NA	-73.0	NA	2.04
	11/2/2017	0.64	<0.58	<0.52	2.29	2.2	0.060 H3	<1.4	0.33	38.5	155	0.50 J
PZ-1 abandoned on 1/11/2018. PZ-1R installed on 4/18/2019.												
PZ-1R	5/2/2019	1.01	337	32.4	5.88	<0.20	5.8 H3	23.1	<0.095	-102.6	101	124 J
	8/14/2019	0.21	3060	87.2	5.70	<0.20	6.5 H3	129	<0.095	-138.4	93.1	184
	3/10/2020	0.00	2130	974	4.60	<0.20	5.1 H3	162	<0.059	-270.1	85.9	115
PZ-2	8/8/2003	0.19	NA	NA	NA	NA	NA	NA	NA	-41.3	NA	NA
	10/6/2003	0.15	1.3	0.79	NA	NA	NA	60	NA	-35.1	NA	NA
	8/27/2009	0.78	NA	NA	NA	NA	NA	NA	NA	-16.0	NA	NA
	11/1/2017 ¹	2.67	<0.58	<0.52	8.82	5.7	3.1	23.1	<0.095	-100.3	178	<0.25
	5/2/2019 ⁴	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PZ-2 abandoned on 7/19/2019. PZ-2R installed on 7/19/2019.												
PZ-2R	8/14/2019	0.13	0.82 J	<0.52	3.20	<0.20	3.6 H3	22.0	<0.095	-36.8	164	0.40 J
	3/10/2020	0.10	<1.2	<1.2	2.80	<0.20	2.9 H3, M1	10.3	<0.059	-68.3	140	0.36 J MO
PZ-3	8/25/2009	0.72	NA	NA	NA	NA	NA	NA	NA	-53.0	NA	NA
	11/2/2017	1.34	NA	NA	NA	NA	NA	NA	NA	-103.8	NA	NA
PZ-3 abandoned on 1/11/2018												
PZ-4	8/25/2009	0.72	NA	NA	NA	NA	NA	NA	NA	-55.0	NA	NA
	11/2/2017	1.47	NA	NA	NA	NA	NA	NA	NA	-111.8	NA	NA
	5/2/2019	2.99	NA	NA	NA	NA	NA	NA	NA	48.2	NA	NA
	8/14/2019	0.24	NA	NA	NA	NA	NA	NA	NA	-40.0	NA	NA
	3/10/2020	0.24	NA	NA	NA	NA	NA	NA	NA	-61.7	NA	NA

Notes:

J = Estimated concentration at or above the level of detection and below the level of quantification.

mg/L = milligrams per liter

mV = millivolts

NA = Data was not collected or not able to be collected.

NS = Not sampled.

ORP = Oxidation-reduction potential; measured in the field.

ug/L = micrograms per liter

All sampling results prior to 2017 obtained from a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

⁽¹⁾ Well cap either missing or not plugged at time of inspection; potential for water and other constituents to have entered the well.

⁽²⁾ Monitoring well purged dry after first stabilization parameter reading. Well sampled later in day without collecting new stabilization parameters.

⁽³⁾ Monitoring well purged dry before water passed completely through flow-through cell. Stabilization parameters collected from flow-through cell approximately 4/5 of the way full.

⁽⁴⁾ Monitoring well was damaged during site redevelopment activities and was not sampled.

H3 = Sample was received or analysis requested beyond the recognized method holding time.

MO = 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.

Table 5: Groundwater Analytical Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Analyte ^{1,2}		Benzene	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	Vinyl chloride	Xylenes, total
CAS		71-43-2	67-66-3	75-35-4	156-59-2	156-60-5	100-41-4	75-09-2	127-18-4	108-88-3	79-01-6	95-63-6	75-01-4	1330-20-7
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140 ES		5	6	7	70	100	700	5	5	800	5	480	0.2	2000
NR 140 PAL		0.5	0.6	0.7	7	20	140	0.5	0.5	160	0.5	96	0.02	400
MW-1	1/14/2002	ND	<0.23	<0.27	<0.21	<0.25	<0.22	<0.24	<0.22	<0.41	0.46 J	<0.15	44	#N/A
	5/8/2002	ND	<0.1	<0.11	<0.11	<0.11	<0.08	<0.24	<0.15	<0.08	<0.13	<0.11	<0.16	#N/A
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.9	0.3 J	<0.25	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
	8/25/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
MW-2	11/1/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
	1/14/2002	ND	<0.23	<0.21	<0.21	<0.25	<0.22	<0.22	<0.22	<0.41	<0.24	<0.26	<0.25	#N/A
	5/8/2002	ND	<0.1	<0.11	<0.11	<0.11	<0.08	<0.24	<0.15	<0.08	<0.13	<0.11	<0.16	#N/A
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.32 J	<0.25	<0.25	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
MW-3	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/1/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
	1/15/2002	ND	<0.23	<0.27	<0.21	<0.25	<0.22	<0.22	<0.22	<0.41	<0.24	<0.26	<0.25	#N/A
	5/8/2002	ND	<0.1	<0.11	<0.11	<0.11	<0.08	<0.24	<0.15	0.32	0.34 J	<0.11	<0.16	#N/A
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.88	0.42 J	<0.25	<0.25	<0.5
MW-4	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/1/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	0.88 J	0.9	0.71 J	0.34 J	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	0.57 J	<0.25	<0.25	<0.25	<0.25	<0.5
	8/25/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	7	<0.5	<0.2	<0.2	<0.2	<0.5
MW-5	11/2/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	7.8	<0.50	<0.33	<0.50	<0.18	<1.5
	5/2/2019	<0.49	<2.5	<0.49	23.0	<2.2	<0.44	<1.2	850	<0.34	5.0	<1.7	<0.35	<3.0
	8/14/2019	<0.25	<1.3	<0.24	0.4 J	<1.1	<0.22	<0.58	79.1	<0.17	1.0 J	<0.84	<0.17	<1.5
	3/10/2020	<0.25	<1.3	<0.24	<0.27	<1.1	<0.32	<0.58	57.0	<0.27	0.47 J	<0.84	<0.17	<1.5
	8/7/2003	ND	<0.25	<0.5	11	<0.5	<0.5	<1	80	0.9	7.9	0.34 J	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	150	1.2	<0.5	<1	93	<0.25	6.4	<0.25	<0.25	<0.5
MW-5	8/27/2009	<0.2	<0.2	<0.5	110	1.2	<0.5	<1	140	<0.5	<0.2	32	22	<0.5
	11/2/2017	<0.50	<2.5	<0.41	73.6	1.5	<0.50	<0.23	30.3	<0.50	3.2	<0.50	0.45 J	<1.5
	5/2/2019	<0.25	<1.3	<0.24	11.3	<1.1	<0.22	<0.58	20.5	<0.17	3.8	<0.84	2.1	<1.5
	8/14/2019	<0.25	<1.3	<0.24	31.2	<1.1	<0.22	<0.58	29.1	<0.17	5.9	<0.84	0.73 J	<1.5
	3/10/2020	<0.25	<1.3	<0.24	14.1	<1.1	<0.32	<0.58	23.8	<0.27	5.0	<0.84	2.2	<1.5

Table 5: Groundwater Analytical Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Analyte ^{1,2}		Benzene	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	Vinyl chloride	Xylenes, total
CAS		71-43-2	67-66-3	75-35-4	156-59-2	156-60-5	100-41-4	75-09-2	127-18-4	108-88-3	79-01-6	95-63-6	75-01-4	1330-20-7
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140 ES		5	6	7	70	100	700	5	5	800	5	480	0.2	2000
NR 140 PAL		0.5	0.6	0.7	7	20	140	0.5	0.5	160	0.5	96	0.02	400
MW-6	8/25/2009	<0.2	<2	<5	980	<5	<5	<10	<5	<5	18	<2	57	<5
	11/9/2017	<0.50	<2.5	<0.41	4.5	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	1.0	<1.5
	5/2/2019	<0.25	<1.3	<0.24	<0.27	<1.1	<0.22	<0.58	<0.33	<0.17	<0.26	<0.84	<0.17	<1.5
	8/14/2019	<0.25	<1.3	<0.24	<u>14.7</u> M1	<1.1	<0.22	<0.58	<u>1.3</u>	<0.17	0.37 J	<0.84	1.6	<1.5
	3/10/2020	<0.25	<1.3	<0.24	239	6.8	<0.32	<0.58	<0.33	<0.27	13.5	<0.84	11.5	<1.5
MW-7	8/26/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/9/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
MW-8	8/26/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/9/2017 ³	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	8/27/2009	0.28	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.64	<0.2	<0.2	<0.2	<0.5
	11/9/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	0.59 J	<0.33	<0.50	<0.18	<1.5
PZ-1	1/15/2002	ND	<1.2	<1.4	400	4 J	<1.1	<1.1	<1.1	<2.1	<1.2	<0.75	<1.3	#N/A
	5/8/2003	ND	<5	<5.5	3000	<u>22</u>	<4	23 J	8500	<4	2800	<5.5	22 J	#N/A
	8/8/2003	ND	0.3 J	8.4	2600	18.0	1.8	<1	27000	4.8	2500	<0.25	11	1.2
	10/7/2003	ND	<120	<250	2600	<250	<250	<500	36000	<120	2600	<120	<120	<250
	8/25/2009	<32	<32	<80	2000	<80	<80	<160	61000	<80	1600	<32	<32	<80
	11/2/2017	<125	<625	<103	414	<64.1	<125	<58.1	16200	<125	435	<125	<43.9	<375
PZ-1 abandoned on 1/11/2018. PZ-1R was installed on 4/18/2019.														
PZ-1R	5/2/2019	<123	<637	<122	30000	<545	<109	<290	60300	<86.1	3310	<420	<87.3	<750
	8/14/2019	<123	<637	140 J	108000	<545	<109	<290	83700	<86.1	5450	<420	1110	<750
	3/10/2020	<123	<637	<122	36400	<545	<159	<290	23200	<135	9060	<420	2630	<750
PZ-2	8/8/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.43 J	<0.25	<0.25	5.8	<0.5
	10/6/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	8.9	<0.5
	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	14	<0.5
	11/1/2017	<0.50	<2.5	<0.41	4.1	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	11.0	<1.5
	5/2/2019 ⁴	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PZ-2 abandoned on 7/19/2019. PZ-2R was installed on 7/19/2019.														
PZ-2R	8/14/2019	<0.25	<1.3	<0.24	<u>26.9</u>	<1.1	<0.22	<0.58	12.7	<0.17	0.39 J	<0.84	15.5	<1.5
	3/10/2020	<0.25	<1.3	<0.24	<u>33.9</u>	<1.1	<0.32	<0.58	<0.33	<0.27	<0.26	<0.84	11.3	<1.5
PZ-3	8/26/2004	ND	<2	<5	440	<5	<5	<10	56	<2	<2	<2	<2	<5
	10/7/2004	ND	<1	<2.5	300	<2.5	<2.5	<5	73	<1	<1	<1	<1	<2.5
	8/25/2009	<2	<2	<5	1100	11.0	<5	<10	5.6	<5	7.1	<2	3.9	<5
	11/2/2017	<25.0	<125	<20.5	2060	<u>22.4</u> J	<25.0	<11.6	<25.0	<25.0	144	<25.0	<8.8	<75.0
PZ-3 abandoned on 1/11/2018.														

Table 5: Groundwater Analytical Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Analyte ^{1,2}		Benzene	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	Vinyl chloride	Xylenes, total
CAS		71-43-2	67-66-3	75-35-4	156-59-2	156-60-5	100-41-4	75-09-2	127-18-4	108-88-3	79-01-6	95-63-6	75-01-4	1330-20-7
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140 ES		5	6	7	70	100	700	5	5	800	5	480	0.2	2000
NR 140 PAL		0.5	0.6	0.7	7	20	140	0.5	0.5	160	0.5	96	0.02	400
PZ-4	8/25/2009	<0.20	<0.2	<0.5	4.4	<0.5	<0.5	<1	<u>0.84</u>	<0.5	<u>0.56</u>	<0.2	<0.2	<0.5
	11/2/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	1.3	<1.5
	5/2/2019	<0.49	<2.5	<0.49	<u>20.8</u>	<2.2	<0.44	<1.2	351	<0.34	<u>3</u>	<1.7	1	<3.0
	8/14/2019	<0.25	<1.3	<0.24	<0.27	<1.1	<0.22	<0.58	15.8	<0.17	<0.26	<0.84	1.8	<1.5
	3/10/2020	<0.25	<1.3	<0.24	1.4	<1.1	<0.32	<0.58	16.0	<0.27	<0.26	<0.84	1.7	<1.5

Notes:

All results reported in micrograms per Liter (ug/L.)

Bold value = NR 140 Enforcement Standard (ES) Exceedance

Italic Value = NR 140 Preventive Action Limit (PAL) Exceedance

-- = No NR 140 ES or PAL established.

#N/A = Not analyzed

NS = Not sampled

J = Estimated concentration. Laboratory results reported between the limit of detection and limit of quantification.

ND = Not detected at or above limit of detection.

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

¹ Analytical results are displayed for detected parameters only.

² All sampling results prior to 2017 obtained from a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. on February 24, 2012.

³ MW-8 not sampled during the November 2017 groundwater sampling event because well did not recharge sufficiently.

⁴ PZ-2 was not sampled during the May 2019 groundwater sampling event because well was damaged during site redevelopment activities.

Table 6: Post Remediation Soil Analytical Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Parameters	Soil RCLs			C1 (20-21)	C1 (26-28)	C2 (17-18)	C2 (29-30)	C3 (15-16)	C3 (18-19)
	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Pathway	3/9/2020	3/9/2020	3/9/2020	3/9/2020	3/9/2020	3/9/2020
VOCs (µg/kg)									
Benzene	1,600	7,070	5.1	<5000	<5000	63.5 J	<200	<25.0	<50.0
cis-1,2-Dichloroethene	156,000	2,340,000	41.2	12000 J	31300	1100	2200	<25.0	1950
Ethylbenzene	8,020	35,400	1,570	<5000	<5000	59.7 J	<200	<25.0	<50.0
Tetrachloroethene	33,000	145,000	4.54	1940000	3000000	10100	59500	668	9500
Toluene	818,000	818,000	1,107.2	<5000	<5000	81.2	<200	<25.0	<50.0
Trichloroethene	1,300	8,410	3.6	104000	24700	713	6900	40.3 J	1160
o-Xylene	434,000	434,000	--	<5000	<5000	34.1 J	<200	<25.0	<50.0
m-&p-Xylene ¹	388,000	388,000	--	<10000	<10000	138 J	<400	<50.0	<100
Xylenes, total	260,000	260,000	3,960	<15000	<15000	172 J	<600	<75.0	<150

Notes:

VOCs = Volatile Organic Compounds

µg/kg = micrograms per kilogram

¹ Direct Contact RCL listed is for the more stringent m-Xylene.

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

-- No RCL or Surficial BTV established.

#N/A = Not analyzed

Direct contact RCL exceedances apply to soil from 0 to 4 feet below ground surface.

Soil RCLs and surficial BTVs established by the WDNR RR program using the EPA's RSL web-calculator with WAC NR 720 default parameters (WDNR PUB-RR-890, June 2014 - updated RCL spreadsheet, December 2018).

Table 6: Post Remediation Soil Analytical Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Parameters	Soil RCLs			C4 (14-15)	C4 (18-19)	C5 (12-13)	C5 (14-15)
	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Pathway	3/9/2020	3/9/2020	3/9/2020	3/9/2020
VOCs (µg/kg)							
Benzene	1,600	7,070	5.1	<100	<25.0	51.9 J	<125
cis-1,2-Dichloroethene	156,000	2,340,000	41.2	4720	394	<25.0	264 J
Ethylbenzene	8,020	35,400	1,570	<100	<25.0	43.3 J	<125
Tetrachloroethene	33,000	145,000	4.54	23500	6320	599	42300
Toluene	818,000	818,000	1,107.2	<100	<25.0	74.0	<125
Trichloroethene	1,300	8,410	3.6	1450	51.4 J	<25.0	3390
o-Xylene	434,000	434,000	--	<100	<25.0	<25.0	<125
m-&p-Xylene ¹	388,000	388,000	--	<200	<50.0	62.8 J	<250
Xylenes, total	260,000	260,000	3,960	<300	<75.0	<75.0	<375

Notes:

VOCs = Volatile Organic Compounds

µg/kg = micrograms per kilogram

¹ Direct Contact RCL listed is for the more stringent m-Xylene.

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

-- No RCL or Surficial BTV established.

#N/A = Not analyzed

Direct contact RCL exceedances apply to soil from 0 to 4 feet below ground surface.

Soil RCLs and surficial BTVs established by the WDNR RR program using the EPA's RSL web-calculator with WAC NR 720 default parameters (WDNR PUB-RR-890, June 2014 - updated RCL spreadsheet, December 2018).

Table 7: Soil Vapor Analytical Results
Former One-Hour Valet Dry Cleaners Facility
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Parameters		Residential		Small Commercial		Large Commercial / Industrial		SG-01
Analyte ($\mu\text{g}/\text{m}^3$) ⁽¹⁾	CAS No.	Indoor Air VAL (1 E ⁻⁵)	Soil Gas/Sub-Slab Vapor VRSL (33.3 x)	Indoor Air VAL (1 E ⁻⁵)	Soil Gas/Sub-Slab Vapor VRSL (33.3 x)	Indoor Air VAL (1 E ⁻⁵)	Soil Gas/Sub-Slab Vapor VRSL (100 x)	8/15/2019
Dichloroethylene, 1,2-cis-	156-59-2	--	--	--	--	--	--	<0.42
Tetrachloroethylene	127-18-4	42	1400	180	6000	180	18000	10.4
Trichloroethylene	79-01-6	2.1	70	8.8	290	8.8	880	<0.49
Vinyl Chloride	75-01-4	1.7	57	28	930	28	2800	<0.24

Notes:

Standards based on November 2019 USEPA Regional Screening Level (RSL) Tables.

Samples analyzed using USEPA Method TO-15 (Shortened Chlorinated Solv

$\mu\text{g}/\text{m}^3$ = Microgram per cubic meter

VAL= Indoor Air Vapor Action Level

VRSL = Vapor Risk Screening Level

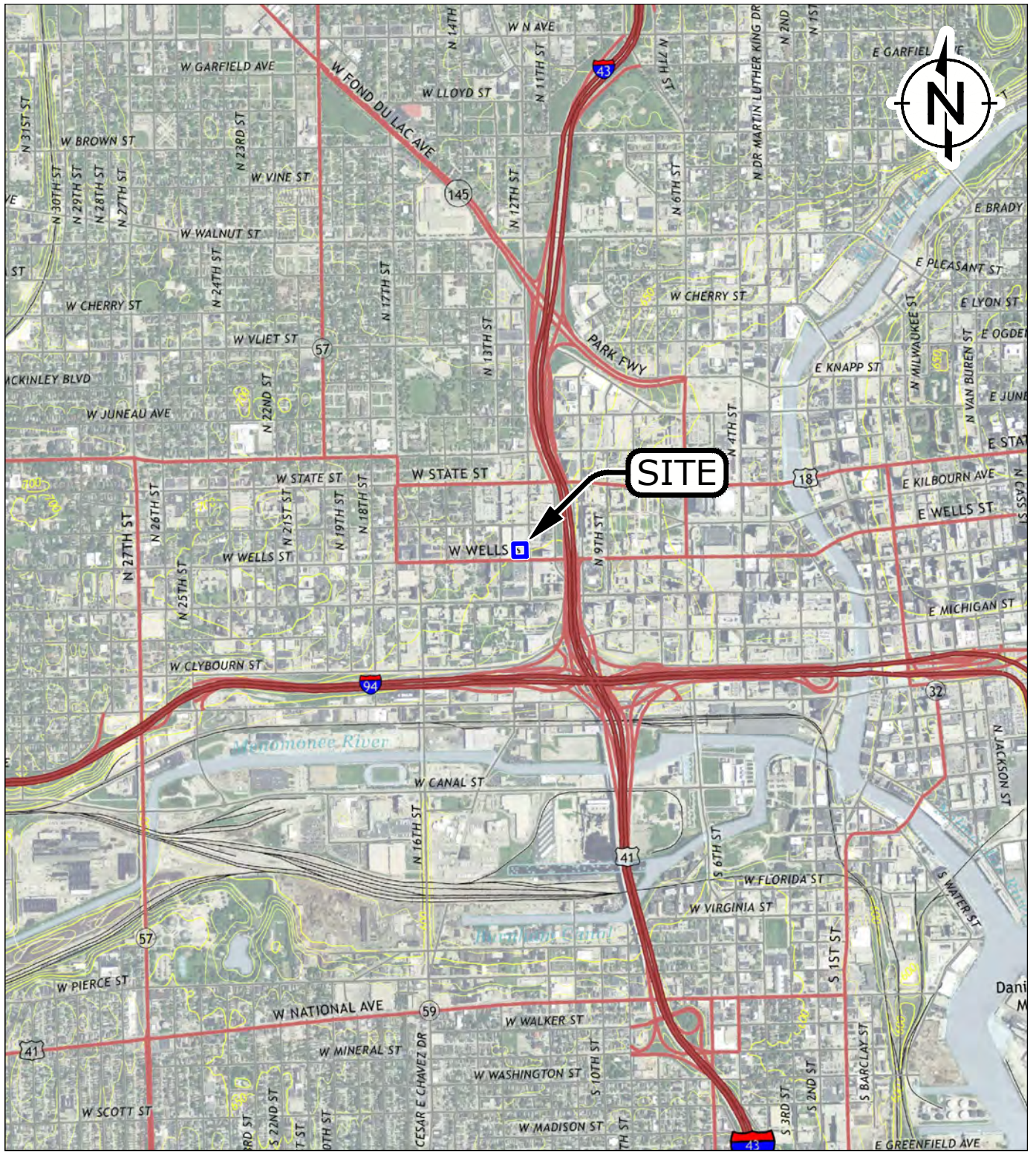
⁽¹⁾ For parameters with both carcinogenic and non-carcinogenic indoor air VALs, results are compared to the most conservative sub-slab vapor VRSL displayed in **bold** font.

-- No RSL established.

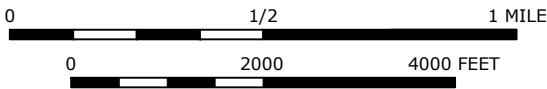
HI = Hazard Index

FIGURES

E:_CAD\1690005819_Former 1hr Dry Cleaners\ Design Report\01_Site Location Map.dwg



CONTOUR INTERVAL 10 FEET



LEGEND:

 PROPERTY BOUNDARY (APPROXIMATE)

SOURCE:
2016 USGS 7.5 Minute Series Milwaukee, Wisconsin Topographic Quadrangle.
Site Location; N: 43.040537° W: 87.927706 WGS84



QUADRANGLE LOCATION



SITE LOCATION MAP
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN

FIGURE
1

DRAFTED BY: APR

DATE: 2/1/18

1690005819

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HOSPITAL PARKING STRUCTURE



LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL
- SOIL GAS SAMPLE

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.



SITE LAYOUT
FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

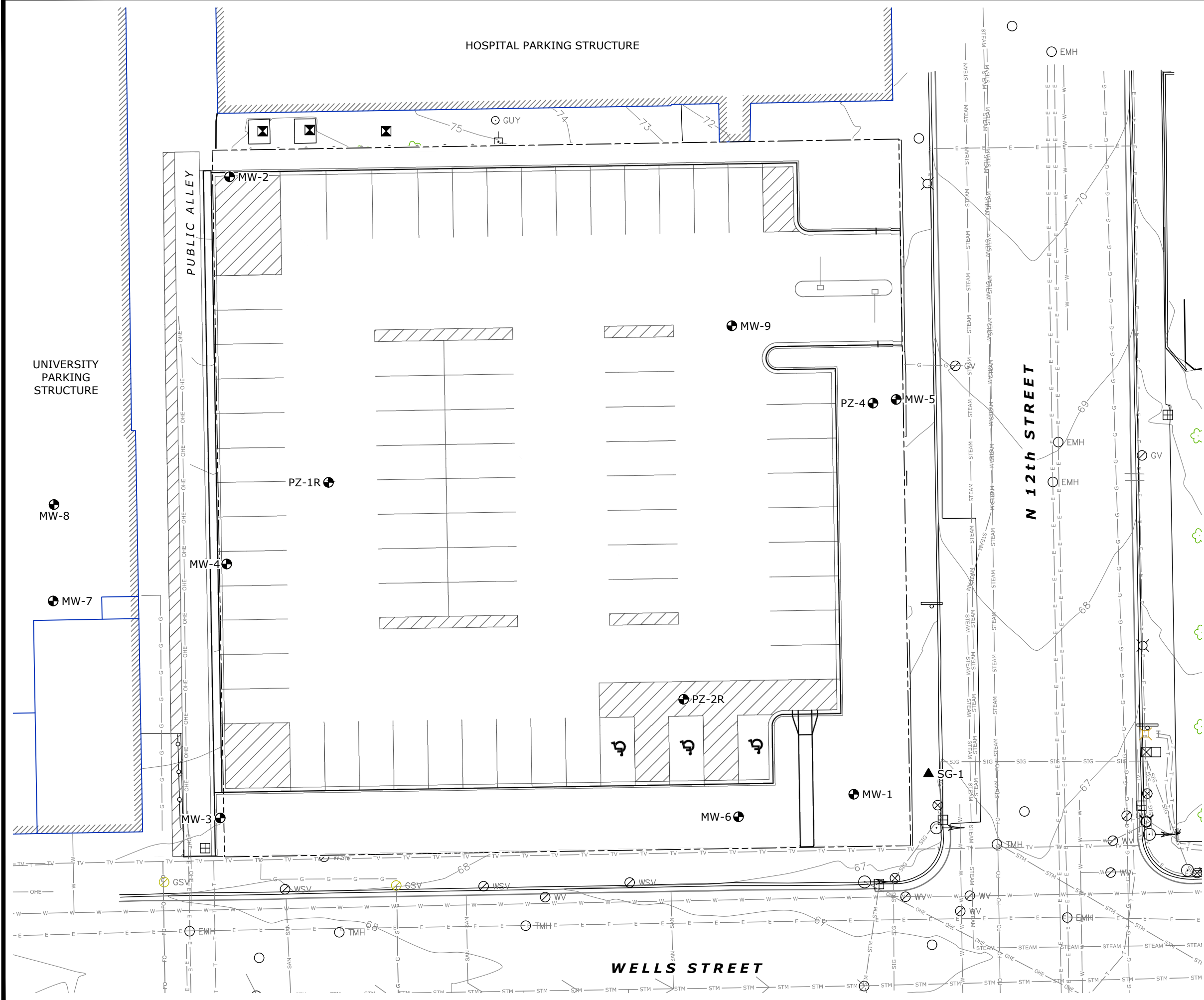


FIGURE
2

DRAFTED BY: HJW

DATE: 4/21/2020

1690005819



L:\Loop Project Files\CAD\1690005819_Former 1hr Dry Cleaners\Post-Remedial Action Report\05_Groundwater Potentiometric Surface Map (October 2019).dwg

HOSPITAL PARKING STRUCTURE

PUBLIC ALLEY

UNIVERSITY PARKING STRUCTURE

N 12th STREET

WELLS STREET



LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- GUY UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL
- GROUNDWATER ELEVATION (FT)
- GROUNDWATER CONTOUR (2-FT INTERVAL)
- GROUNDWATER FLOW DIRECTION

NOTE: GROUNDWATER MEASUREMENTS TAKEN AT PZ-1R, PZ-2R, AND PZ-4 WERE NOT INCLUDED IN CONTOURING CALCULATIONS.

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

GROUNDWATER POTENTIOMETRIC SURFACE MAP (OCTOBER 2019)
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN

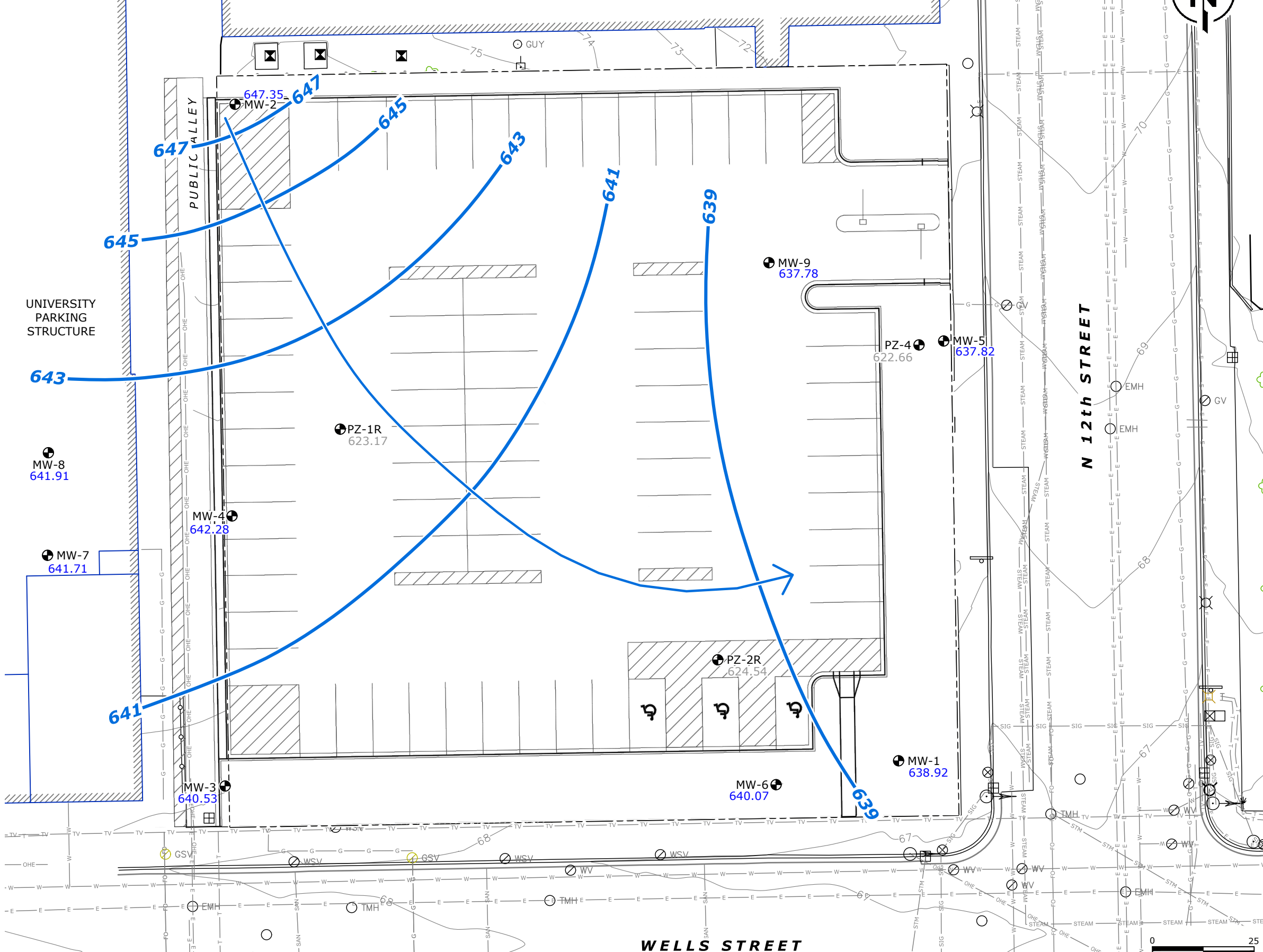


FIGURE 5

DRAFTED BY: HJW

DATE: 4/21/2020

1690005819



L:\Loop Project Files\CAD\1690005819_Former 1hr Dry Cleaners\Post-Remedial Action Report\06_Groundwater Potentiometric Surface Map (March 2020).dwg

HOSPITAL PARKING STRUCTURE

PUBLIC ALLEY

UNIVERSITY PARKING STRUCTURE

N 12th STREET

WELLS STREET



LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 75 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- GUY UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL
- 638.65 GROUNDWATER ELEVATION (FT)
- 639- GROUNDWATER CONTOUR (2-FT INTERVAL)
- GROUNDWATER FLOW DIRECTION

NOTE: GROUNDWATER MEASUREMENTS TAKEN AT PZ-1R, PZ-2R, AND PZ-4 WERE NOT INCLUDED IN CONTOURING CALCULATIONS.

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

GROUNDWATER POTENTIOMETRIC SURFACE MAP (MARCH 2020)

FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN



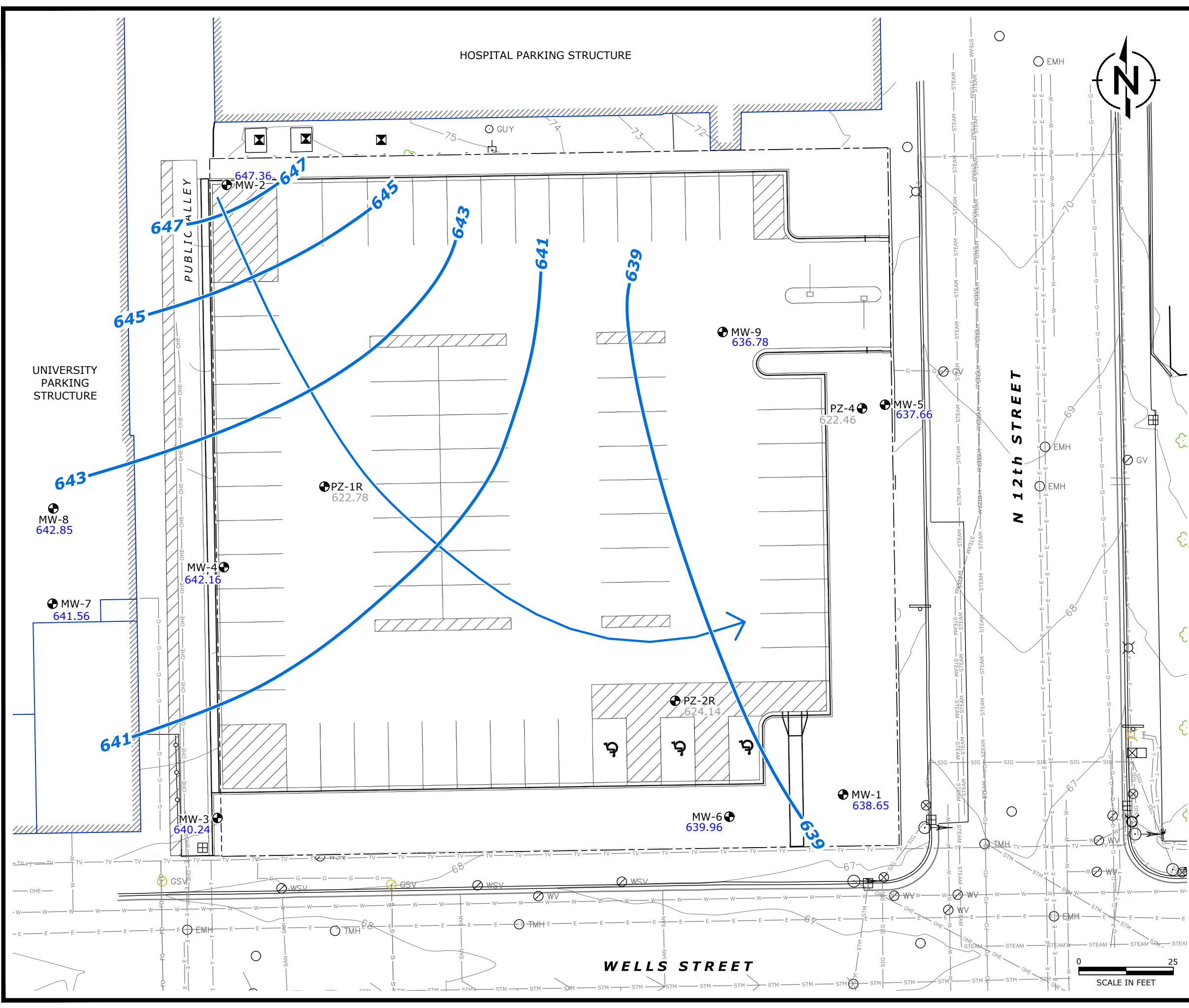
FIGURE
6

DRAFTED BY: HJW

DATE: 4/21/2020

1690005819

0 25
SCALE IN FEET



L:\Loop Project Files\CAD\1690005819_Former 1hr Dry Cleaners\Post-Remedial Action Report\07_CVOC Concentrations in GW (May 2019).dwg

HOSPITAL PARKING STRUCTURE

PUBLIC ALLEY

UNIVERSITY PARKING STRUCTURE

WELLS STREET



- LEGEND**
- PROPERTY BOUNDARY
 - /// BUILDING FOOTPRINT
 - ASPHALT
 - CONCRETE
 - FENCE LINE
 - 75 1-FT ELEVATION CONTOUR
 - E—E— UNDERGROUND ELECTRIC
 - OHE— OVERHEAD ELECTRIC
 - T—T— TELEPHONE
 - W—W— WATER LINE
 - G—G— GAS
 - TV— CABLE TV
 - FO— FIBER OPTIC
 - STM— STORMWATER SEWER
 - SAN— SANITARY SEWER
 - STEAM— STEAM
 - ☐ CATCH BASIN
 - MANHOLE
 - ⊙ VALVE
 - ⬇ TRAFFIC LIGHT
 - ⊠ TRANSFORMER
 - ⊗ METER
 - ⊗ LIGHT POLE
 - ⊠ GUY UTILITY POLE / GUY
 - 🌳 TREE
 - ⊙ FIRE HYDRANT
 - ⊗ TELEPHONE PEDESTAL
 - ⊠ CONTROL BOX
 - ⊙ MONITORING WELL

All results reported in micrograms per Liter (µg/L)
 ES = Enforcement Standard
 PAL = Preventive Action Limit
Bold value = NR 140 ES Exceedance
Italic Value = NR 140 PAL Exceedance
 ND = No detections
 NS = Not sampled
 J = Estimated concentration at or above the limit of detection and below the limit of quantification.

Parameter (CVOCs)	Abbreviations	ES	PAL
cis-1,2-Dichloroethene	cis-1,2-DCE	70	<i>Z</i>
Tetrachloroethene	PCE	5	<i>0.5</i>
Trichloroethene	TCE	5	<i>0.5</i>
Vinyl Chloride	VC	0.2	<i>0.02</i>

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

CVOC CONCENTRATIONS IN GROUNDWATER (MAY 2019)
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN

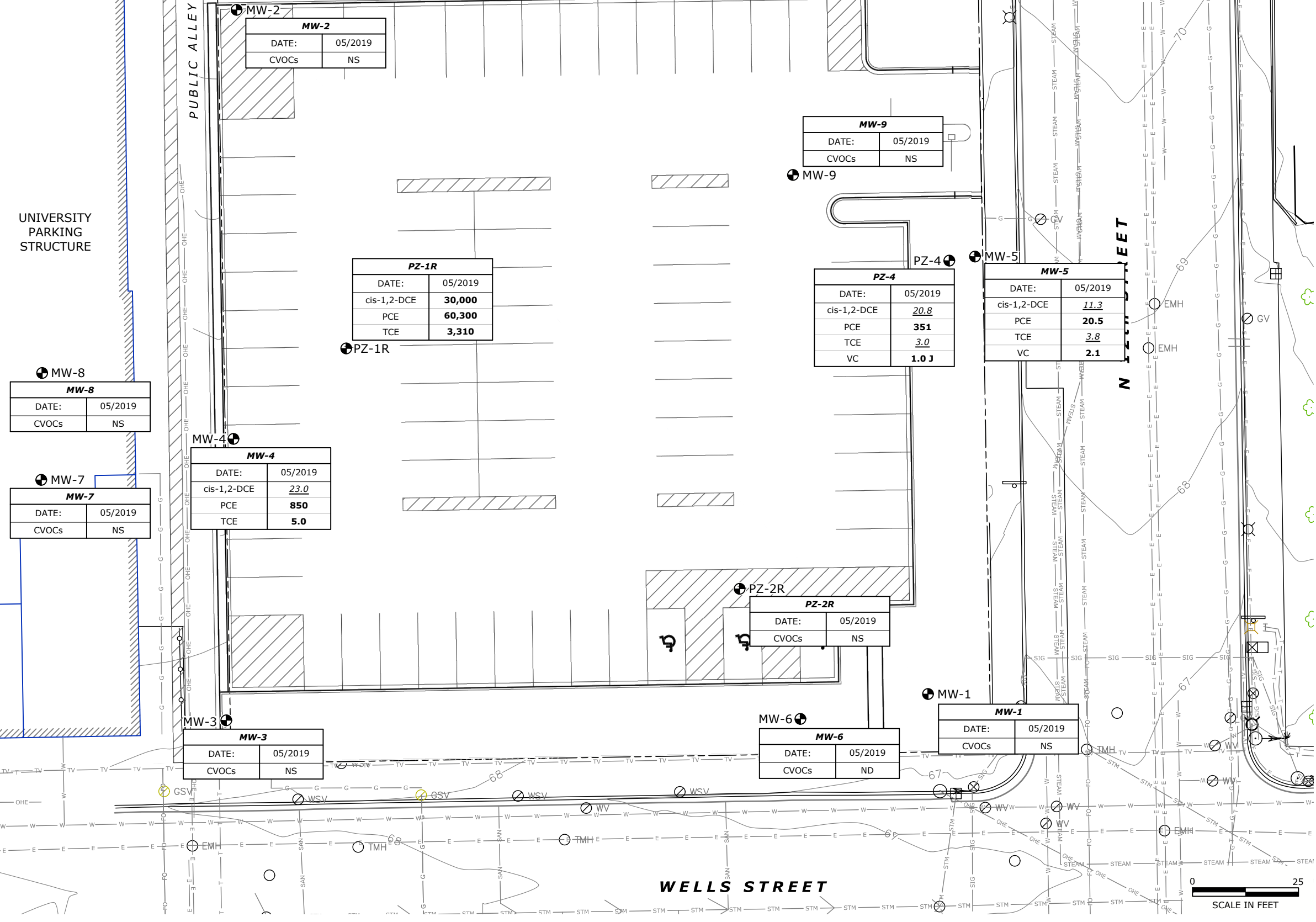


FIGURE
7

DRAFTED BY: HJW

DATE: 4/22/2020

1690005819



MW-2

DATE:	05/2019
CVOCs	NS

MW-9

DATE:	05/2019
CVOCs	NS

PZ-1R

DATE:	05/2019
cis-1,2-DCE	30,000
PCE	60,300
TCE	3,310

PZ-4

DATE:	05/2019
cis-1,2-DCE	<i>20.8</i>
PCE	351
TCE	<i>3.0</i>
VC	1.0 J

MW-5

DATE:	05/2019
cis-1,2-DCE	<i>11.3</i>
PCE	20.5
TCE	<i>3.8</i>
VC	2.1

MW-8

DATE:	05/2019
CVOCs	NS

MW-4

DATE:	05/2019
cis-1,2-DCE	<i>23.0</i>
PCE	850
TCE	5.0

MW-7

DATE:	05/2019
CVOCs	NS

PZ-2R

DATE:	05/2019
CVOCs	NS

MW-6

DATE:	05/2019
CVOCs	ND

MW-1

DATE:	05/2019
CVOCs	NS

MW-3

DATE:	05/2019
CVOCs	NS



L:\Loop Project Files\CAD\1690005819_Former 1hr Dry Cleaners\Post-Remedial Action Report\08_CVOC Concentrations in GW (August 2019).dwg

HOSPITAL PARKING STRUCTURE

PUBLIC ALLEY

UNIVERSITY PARKING STRUCTURE

WELLS STREET



- LEGEND**
- PROPERTY BOUNDARY
 - /// BUILDING FOOTPRINT
 - ASPHALT
 - ▨ CONCRETE
 - FENCE LINE
 - 75 1-FT ELEVATION CONTOUR
 - E—E— UNDERGROUND ELECTRIC
 - OHE— OVERHEAD ELECTRIC
 - T—T— TELEPHONE
 - W—W— WATER LINE
 - G—G— GAS
 - TV— TV CABLE TV
 - FO—FO— FIBER OPTIC
 - STM— STORMWATER SEWER
 - SAN— SANITARY SEWER
 - STEAM— STEAM
 - ☐ CATCH BASIN
 - MANHOLE
 - ⊙ VALVE
 - ⬮ TRAFFIC LIGHT
 - ⊠ TRANSFORMER
 - ⊞ METER
 - ⊗ LIGHT POLE
 - ⊞ GUY UTILITY POLE / GUY
 - 🌳 TREE
 - ⊙ FIRE HYDRANT
 - ⊞ TELEPHONE PEDESTAL
 - ⊠ CONTROL BOX
 - ⊕ MONITORING WELL

All results reported in micrograms per Liter (µg/L)
 ES = Enforcement Standard
 PAL = Preventive Action Limit
Bold value = NR 140 ES Exceedance
Italic Value = NR 140 PAL Exceedance
 ND = No detections
 NS = Not sampled
 J = Estimated concentration. Laboratory results reported between the limit of detection and limit of quantification.

Parameter (CVOCs)	Abbreviations	ES	PAL
1,1-Dichloroethene	1,1-DCE	7	<i>0.7</i>
cis-1,2-Dichloroethene	cis-1,2-DCE	70	<i>Z</i>
Tetrachloroethene	PCE	5	<i>0.5</i>
Trichloroethene	TCE	5	<i>0.5</i>
Vinyl Chloride	VC	0.2	<i>0.02</i>

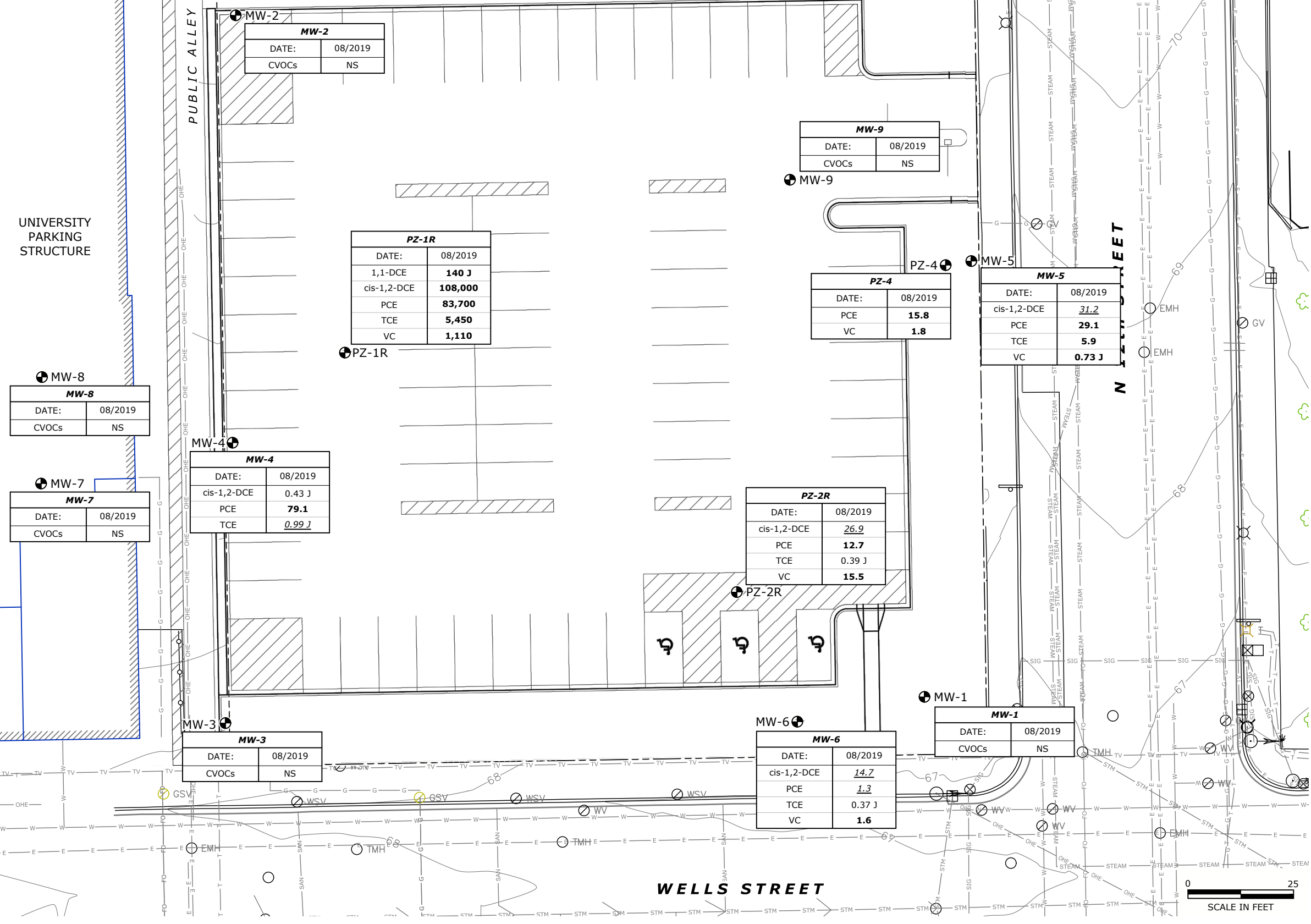
REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

CVOC CONCENTRATIONS IN GROUNDWATER (AUGUST 2019)
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN



FIGURE
8

DRAFTED BY: HJW DATE: 4/22/2020 1690005819



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HOSPITAL PARKING STRUCTURE

PUBLIC ALLEY

UNIVERSITY PARKING STRUCTURE

WELLS STREET



- LEGEND**
- PROPERTY BOUNDARY
 - /// BUILDING FOOTPRINT
 - ASPHALT
 - CONCRETE
 - FENCE LINE
 - 75 1-FT ELEVATION CONTOUR
 - E—E— UNDERGROUND ELECTRIC
 - OHE— OVERHEAD ELECTRIC
 - T—T— TELEPHONE
 - W—W— WATER LINE
 - G—G— GAS
 - TV— TV CABLE TV
 - FO—FO— FIBER OPTIC
 - STM— STORMWATER SEWER
 - SAN— SANITARY SEWER
 - STEAM— STEAM
 - ☐ CATCH BASIN
 - MANHOLE
 - VALVE
 - ⬇️ TRAFFIC LIGHT
 - ⊠ TRANSFORMER
 - ⊠ METER
 - ⊗ LIGHT POLE
 - ⊠ GUY UTILITY POLE / GUY
 - 🌳 TREE
 - ⊗ FIRE HYDRANT
 - ⊠ TELEPHONE PEDESTAL
 - ⊠ CONTROL BOX
 - ⊕ MONITORING WELL

All results reported in micrograms per Liter (µg/L)
 ES = Enforcement Standard
 PAL = Preventive Action Limit
Bold value = NR 140 ES Exceedance
Italic Value = NR 140 PAL Exceedance
 ND = No detections
 NS = Not sampled
 J = Estimated concentration. Laboratory results reported between the limit of detection and limit of quantification.

Parameter (CVOCs)	Abbreviations	ES	PAL
cis-1,2-Dichloroethene	cis-1,2-DCE	70	<i>2</i>
trans-1,2-Dichloroethene	trans-1,2-DCE	100	<i>20</i>
Tetrachloroethene	PCE	5	<i>0.5</i>
Trichloroethene	TCE	5	<i>0.5</i>
Vinyl Chloride	VC	0.2	<i>0.02</i>

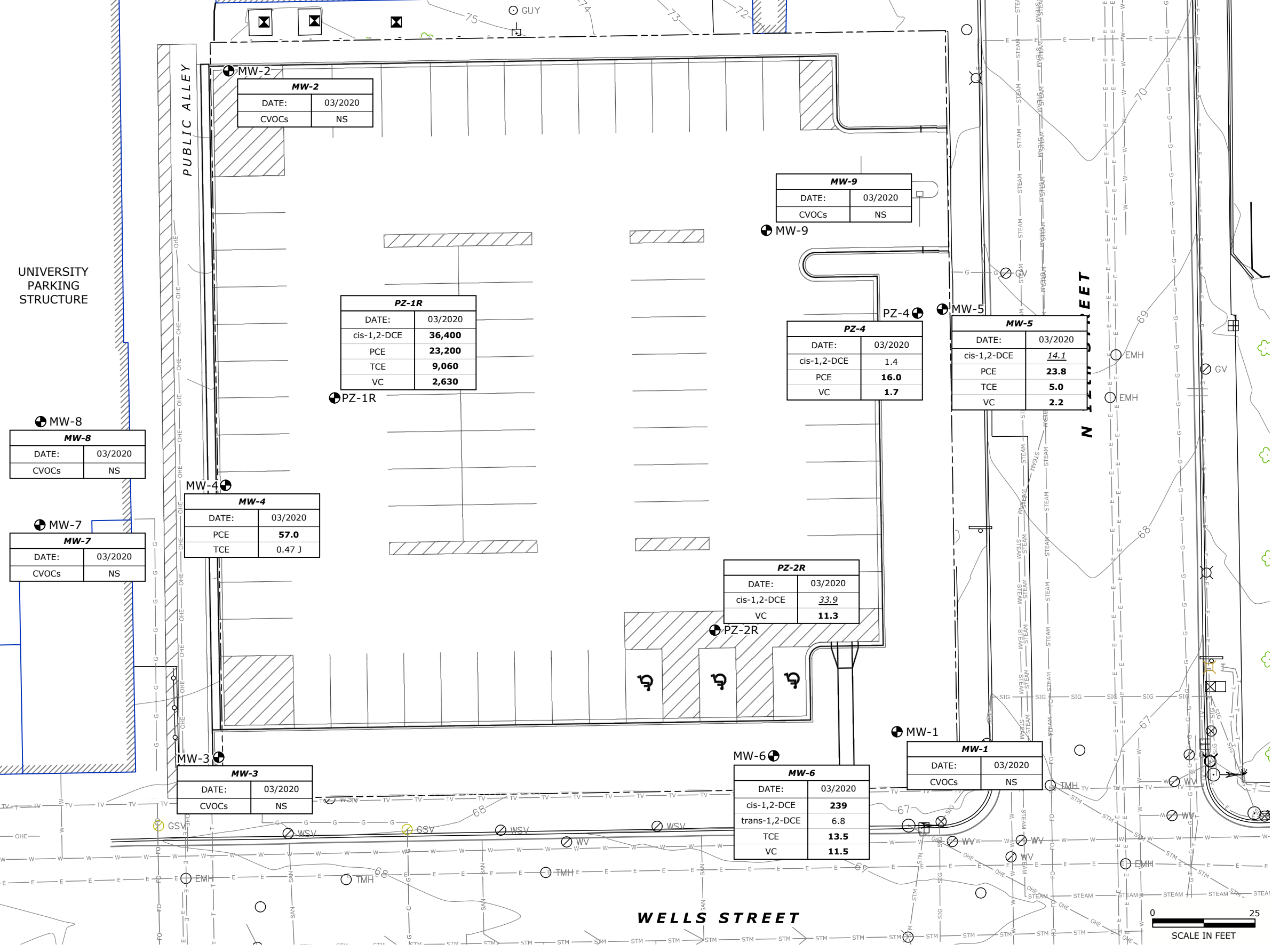
REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

CVOC CONCENTRATIONS IN GROUNDWATER (MARCH 2020)
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN



FIGURE 9

DRAFTED BY: HJW DATE: 4/22/2020 1690005819



L:\Loop Project Files\CAD\1690005819_Former 1hr Dry Cleaners\Post-Remedial Action Report\10_CVOC Confirmation Soil Sample Concentrations (March 2020).dwg

HOSPITAL PARKING STRUCTURE

PUBLIC ALLEY

UNIVERSITY PARKING STRUCTURE

N 12th STREET

WELLS STREET



- LEGEND**
- PROPERTY BOUNDARY
 - /// BUILDING FOOTPRINT
 - ASPHALT
 - CONCRETE
 - FENCE LINE
 - 75 1-FT ELEVATION CONTOUR
 - E UNDERGROUND ELECTRIC
 - OHE OVERHEAD ELECTRIC
 - T TELEPHONE
 - W WATER LINE
 - G GAS
 - TV CABLE TV
 - FO FIBER OPTIC
 - STM STORMWATER SEWER
 - SAN SANITARY SEWER
 - STEAM STEAM
 - ☐ CATCH BASIN
 - MANHOLE
 - VALVE
 - ⬇️ TRAFFIC LIGHT
 - ⊠ TRANSFORMER
 - ⊠ METER
 - ⊗ LIGHT POLE
 - ⊠ GUY UTILITY POLE / GUY
 - 🌳 TREE
 - ⊗ FIRE HYDRANT
 - ⊠ TELEPHONE PEDESTAL
 - ⊠ CONTROL BOX
 - ⊕ MONITORING WELL
 - ⊙ CONFIRMATION SAMPLE
 - SOIL TREATMENT BOUNDARY

C-1		
DEPTH (FT)	(20-21)	(26-28)
cis-1,2-DCE	12,000 J	31,300
PCE	1,940,000	3,000,000
TCE	104,000	24,700

C-2		
DEPTH (FT)	(17-18)	(29-30)
cis-1,2-DCE	1,100	2,200
PCE	10,100	59,500
TCE	713	6,900

C-3		
DEPTH (FT)	(15-16)	(18-19)
cis-1,2-DCE	<25.0	1,950
PCE	668	9,500
TCE	40.3 J	1,160

C-4		
DEPTH (FT)	(14-15)	(18-19)
cis-1,2-DCE	4,720	394
PCE	23,500	6,320
TCE	1,450	51.4 J

C-5		
DEPTH (FT)	(12-13)	(14-15)
cis-1,2-DCE	<25.0	264 J
PCE	599	42,300
TCE	<25.0	3,390

All results reported in micrograms per kilogram (µg/kg).
 Samples collected on March 9, 2020.
 Sample depths shown in feet below ground surface.
Bold value = Parameter exceeds NR 720 RCL for Groundwater Pathway.
 ND = No detections.
 J = Estimated concentration at or above the limit of detection and below the limit of quantification.
 Soil RCLs established by the WDNR RR program using the EPA's RSL web-calculator with WAC NR 720 default parameters (WDNR PUB-RR-890, June 2014 - updated RCL spreadsheet, December 2018).

Parameter	Abbreviations	Soil RCLs
CVOCs		
cis-1,2-Dichloroethene	cis-1,2-DCE	41.2
Tetrachloroethene	PCE	4.54
Trichloroethene	TCE	3.6

CVOC CONFIRMATION SOIL SAMPLE CONCENTRATIONS (MARCH 2020)
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN



FIGURE
10

DRAFTED BY: HJW DATE: 4/22/2020 1690005819

NOTES: SOIL CONFIRMATION SAMPLES COLLECTED ON MARCH 9, 2020 USING DIRECT-PUSH DRILLING TECHNOLOGIES. SAMPLES C5A AND C5B WERE DRILLED DUE TO POOR RECOVERY IN C5 AT DEPTH.
 REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.



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HOSPITAL PARKING STRUCTURE



LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- GUY UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL
- CONFIRMATION SAMPLE
- SOIL TREATMENT BOUNDARY
- PROPOSED INJECTION WELL

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

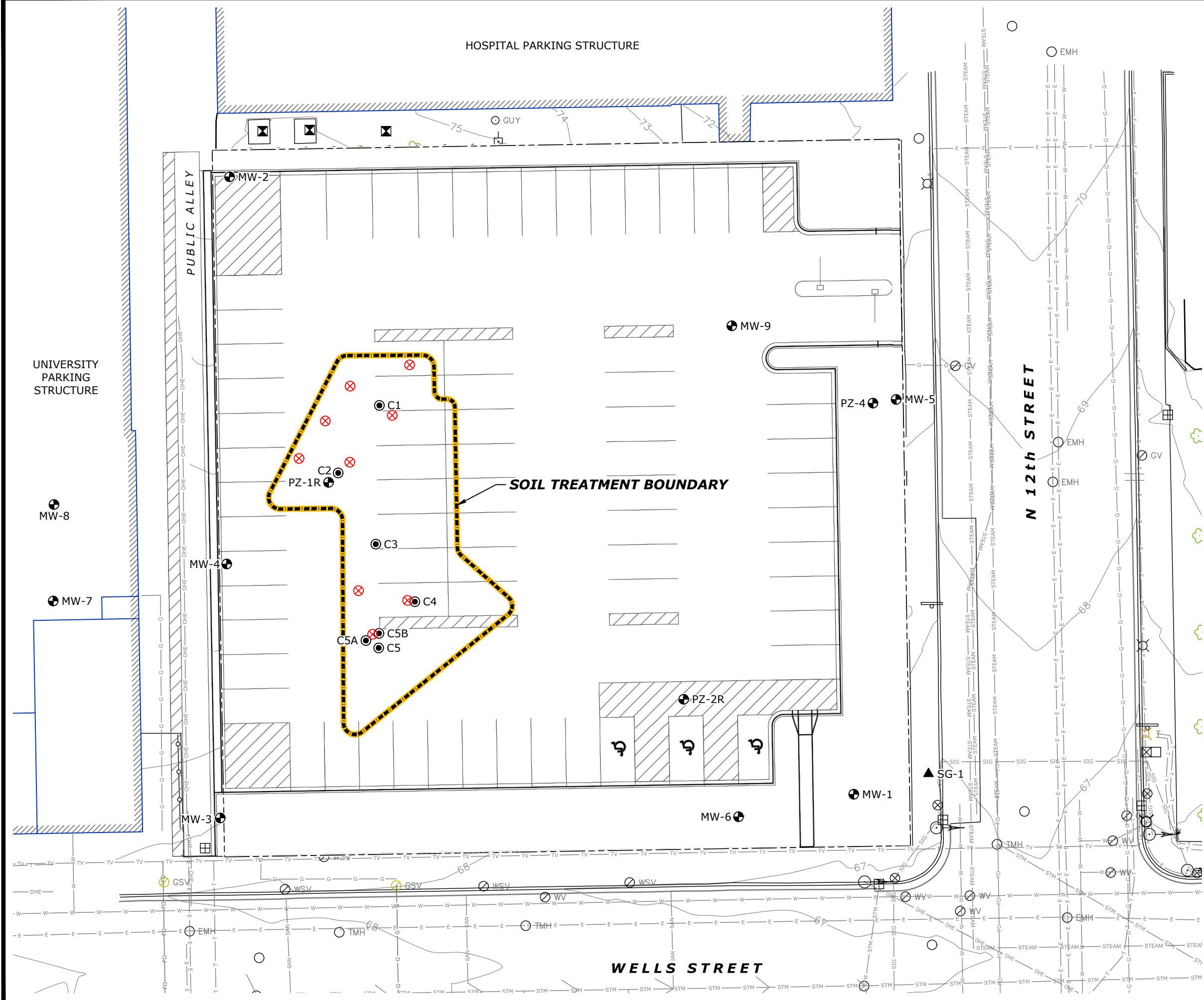


PROPOSED SUPPLEMENTAL IN-SITU ERD INJECTION LOCATIONS
 FORMER ONE-HOUR VALET DRY CLEANERS
 1214 WEST WELLS STREET
 MILWAUKEE, WISCONSIN



FIGURE
11

DRAFTED BY: HJW DATE: 4/22/2020 1690005819



APPENDIX A

REPLACEMENT MONITORING WELL SOIL BORING LOGS, WELL CONSTRUCTION DETAILS, WELL DEVELOPMENT FORMS, AND ABANDONMENT FORMS

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

Facility/Project Name Marquette University - Former 1-Hour Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number PZ-1R	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 4/18/2019		Date Drilling Completed 4/18/2019	
Drilling Method hollow stem auger		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 8.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane N E <input checked="" type="checkbox"/> C/N		Lat _____ ' _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Long _____ ' _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	

Facility ID	County Milwaukee	County Code 41	Civil Town/City/ or Village Milwaukee
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
CU	144		3	FILL: Crushed gravel and concrete.											
			6												
			9												
			12	NO CORE											
1 CS	60		15	FILL: Clay, light brown to gray, moist, soft, noticeable odor.											
2 CS	60		21												
3 CS	60		27												
4 CS	60		30												
			33	SILT , some clay, gray, moist, medium stiff.	ML										
				SANDY SILT , trace gravel, gray, moist, medium stiff.	ML										
				End of boring at 35 ft.											

Installed 2-inch diameter monitoring well; screened 30 to 35ft.

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

Signature	Firm Ramboll US Corporation 175 N. Corporate Drive, Suite 160 Brookfield, WI 53045	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Marquette University - Former 1-Hour Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number PZ-2R	
Boring Drilled By: Name of crew chief (first, last) and Firm Patrick Cox Dan Perkins CS Drilling		Date Drilling Started 7/19/2019		Date Drilling Completed 7/19/2019	
Drilling Method Direct Push		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 4.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Long _____ "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	

Facility ID	County Milwaukee	County Code 41	Civil Town/City/ or Village Milwaukee
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	24 21		1	BROKEN, GRAVELLY ASPHALT											
			1	GRAVELLY SILT WITH CLAY Light gray, dry, loose, angular to subangular. Possible fill.	MLG			2.5							
2	24 24		2	SILTY CLAY Brown, dry to moist, medium stiff, low plasticity, trace fine sand. Moisture increases and softens with depth.	CL-ML			1.4							
			3					2.7							
			4					2.5							
3	24 24		4	SILTY CLAY Dark Gray, moist, medium soft, plastic. Trace fine sand lenses.				2.8							
			5					3.1							
4	24 24		6	Wet at 6 feet, medium soft to medium stiff.				3.0							
			7					3.2							
5	24 24		8	Moist at 8 feet, medium stiff to stiff.	CL-ML			2.7							
			9					3.2							
6	24 24		10	Trace gravel beginning at 9.5 feet. Fine to medium, angular, loose. Gravels fine with depth.				3.1							
			11					3.2							

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

Signature	Firm Ramboll	Tel: 262-901-2722
	175 North Corporate Drive, Suite 160 Brookfield, WI 53045	Fax:

Boring Number **PZ-2R**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7	24 24		13	SILTY CLAY Dark Gray, moist, medium soft, plastic. Trace fine sand lenses. (continued)	CL-ML			3.4						
8	24 24		14	Trace gravel at 13.75 feet, coarse, angular, loose.	MLS			2.4						
			15	CLAYEY SANDY SILT Gray, moist, dense. Trace coarse sand.	CL-ML			2.5						
9	24 24		16	SILTY CLAY Dark gray, moist, stiff, plastic. Trace gravel, fine to medium, angular loose. Trace fine sand lenses. Cobble at 15.75 feet.	CL-ML			3.5						
			17	SILTY CLAY Light to medium gray, moist to wet, stiff, plastic. Trace gravel, fine to medium, angular, loose. Cobble at 17 feet.				3.3						
10	24 24		18					3.0						
			19					1.7						
11	24 18		20		CL-ML			3.8						
			21					4.6						Poor recovery from 20 to 22 feet.
			22					5.8						
12	24 24		23	Wet at 23.25 feet.				3.4						
13	24 24		24	GRAVELLY SAND Gray, wet, fine to coarse, loose sands. Fine to medium, angular to subangular, loose gravels.	SWG			4.8						
			25	SILTY CLAY Medium gray, wet at 24 feet, medium soft 24 to 24.5 feet and 24.75 to 25 feet, plastic. Trace gravel, fine to medium, angular, loose.				5.2						
14	24 24		26	CLAYEY SANDY SILT Gray, wet, soft, low plasticity. Fine grain sands, loose, wet. Trace coarse sands. Soft near 26 feet.	MLS			5.2						
			27	SILTY CLAY Gray, moist, stiff, plastic. Fine to medium gravel, subangular, loose.	CL-ML			5.1						
15	24 12		28	SILTY SAND Gray, wet, medium dense, subangular to angular, loose. Some fine gravel.	SM			4.7						
			29					1.9						
16	12 12		30	SILTY CLAY Gray, moist to wet, stiff, plastic.	CL-ML			2.9						
			31	End of boring at 31 feet.				4.4						Note: Sand sluff observed at top of split spoon from 30 to 31 feet.

Facility/Project Name MU Former 1-hr Day Cleaners		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name PZ-2R	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.	
Facility ID		Lat. " Long. " or		Date Well Installed 07/19/2019 m m d d y y y y	
Type of Well Well Code /		St. Plane ft. N. ft. E. S/C/N		Well Installed By: Name (first, last) and Firm Patrick Cox CS Drilling	
Distance from Waste/Source ft.		Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 29, T. 7 N, R. 22 E W		Gov. Lot Number	
Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known			

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 4 in. b. Length: 5 ft. c. Material: Steel <input type="checkbox"/> 04 Other <input type="checkbox"/> d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. R.W. Sidkey, Inc #5 b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: PVC Sch. 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: 0.010 in. d. Slotted length: 5 ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/></p>
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12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

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

16. Drilling additives used? Yes No
Describe _____

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

<p>E. Bentonite seal, top _____ ft. MSL or 0 ft.</p> <p>F. Fine sand, top _____ ft. MSL or 24 ft.</p> <p>G. Filter pack, top _____ ft. MSL or 24 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 26 ft.</p> <p>I. Well bottom _____ ft. MSL or 31 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 31 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 31 ft.</p> <p>L. Borehole, diameter 4.25 in.</p> <p>M. O.D. well casing 2 in.</p> <p>N. I.D. well casing 2 in.</p>	
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Patrick Cox* Firm *Ramboll*

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

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

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Milwaukee	WI Unique Well # of Removed Well	Hicap #	Facility Name Former 1-hour Valet Dry Cleaners
Latitude / Longitude (see instructions) N W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS)
1/4 / 1/4 or Gov't Lot #	Section	Township N	Range <input type="checkbox"/> E <input type="checkbox"/> W
Well Street Address 1214 W. Wells St.	Original Well Owner		
Well City, Village or Town Milwaukee	Present Well Owner		
Subdivision Name	Well ZIP Code 53233	Mailing Address of Present Owner	
	Lot #	City of Present Owner	State ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason for Removal from Service	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? SEE NOTE <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) 2011	Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	If a Well Construction Report is available, please attach	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Total Well Depth From Ground Surface (ft.) 35	Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips	
Lower Drillhole Diameter (in.) 4	Casing Diameter (in.)	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Casing Depth (ft.)	No Yards Sacks Sealant or Volume (circle one) Mix Ratio or Mud Weight	
If yes, to what depth (feet)?	Depth to Water (feet)	From (ft.) To (ft.) Surface 0-5 0-5 35	

5. Material Used to Fill Well / Drillhole

Asphalt Bentonite	From (ft.)	To (ft.)	No Yards Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	Surface	0-5		
	0-5	35		

6. Comments

PZ-1

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing Ramboll	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/11/2018	Date Received	Noted By
Street or Route 175 N. Corporate Dr.	Telephone Number (262) 901-0129	Comments		
City Brookfield	State WI	ZIP Code 53045	Signature of Person Doing Work <i>[Signature]</i>	Date Signed 01/12/2018

NOTE: Please note that PZ-1 abandoned PVC pipe and sand pack was removed through the soil mixing process. Soil mixing activities extended to 35 feet below ground surface.

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

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Milwaukee</i>		WI Unique Well # of Removed Well		Hicap #		Facility Name <i>Former 1-hour Valet Dry Cleaners</i>	
Latitude / Longitude (see instructions) N _____ W _____		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)	
1/4 / 1/4 _____		Section		Township N		Range <input type="checkbox"/> E <input type="checkbox"/> W	
or Gov't Lot #		Well Street Address <i>1214 W. Wells St.</i>		Well ZIP Code <i>53233</i>		Mailing Address of Present Owner	
Well City, Village or Town <i>Milwaukee</i>		Subdivision Name		Lot #		City of Present Owner State ZIP Code	
Reason for Removal from Service		WI Unique Well # of Replacement Well		Original Well Owner		Present Well Owner	

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <i>2003</i>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.) <i>31</i>		Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Diameter (in.) <i>2</i>		Lower Drillhole Diameter (in.) <i>4</i>		Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Casing Depth (ft.) <i>31</i>		Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
If yes, to what depth (feet)?		Depth to Water (feet)		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
				If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	<i>Surface</i>	<i>31</i>	
<i>Bentonite</i>			

6. Comments
PZ-2

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Ramboll</i>		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>07/19/2019</i>	Date Received	Noted By
Street or Route <i>175 N. Corporate Dr., Suite 160</i>		Telephone Number <i>(262) 961-3507</i>		Comments	
City <i>Brookfield</i>	State <i>WI</i>	ZIP Code <i>53045</i>	Signature of Person Doing Work <i>Judy Bowler</i>	Date Signed <i>07/19/2019</i>	

APPENDIX B

WASTE CHARACTERIZATION LABORATORY ANALYTICAL REPORTS

May 28, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2019. 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40188224001	WC-23 MAY 2019	Solid	05/23/19 14:45	05/24/19 09:18

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40188224001	WC-23 MAY 2019	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40188224001	WC-23 MAY 2019					
EPA 8260	Tetrachloroethene	171000	ug/kg	1720	05/28/19 10:05	
EPA 8260	Trichloroethene	2010	ug/kg	551	05/24/19 17:40	
EPA 8260	cis-1,2-Dichloroethene	2530	ug/kg	551	05/24/19 17:40	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	05/24/19 18:38	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

Sample: **WC-23 MAY 2019** Lab ID: **40188224001** Collected: 05/23/19 14:45 Received: 05/24/19 09:18 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	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	630-20-6	W
1,1,1-Trichloroethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	71-55-6	W
1,1,2,2-Tetrachloroethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	79-34-5	W
1,1,2-Trichloroethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	79-00-5	W
1,1-Dichloroethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-34-3	W
1,1-Dichloroethene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-35-4	W
1,1-Dichloropropene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	563-58-6	W
1,2,3-Trichlorobenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	87-61-6	W
1,2,3-Trichloropropane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	96-18-4	W
1,2,4-Trichlorobenzene	<380	ug/kg	2000	380	8	05/24/19 10:30	05/24/19 17:40	120-82-1	W
1,2,4-Trimethylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	95-63-6	W
1,2-Dibromo-3-chloropropane	<730	ug/kg	2000	730	8	05/24/19 10:30	05/24/19 17:40	96-12-8	W
1,2-Dibromoethane (EDB)	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	106-93-4	W
1,2-Dichlorobenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	95-50-1	W
1,2-Dichloroethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	107-06-2	W
1,2-Dichloropropane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	78-87-5	W
1,3,5-Trimethylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	108-67-8	W
1,3-Dichlorobenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	541-73-1	W
1,3-Dichloropropane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	142-28-9	W
1,4-Dichlorobenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	106-46-7	W
2,2-Dichloropropane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	594-20-7	W
2-Chlorotoluene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	95-49-8	W
4-Chlorotoluene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	106-43-4	W
Benzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	71-43-2	W
Bromobenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	108-86-1	W
Bromochloromethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	74-97-5	W
Bromodichloromethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-27-4	W
Bromoform	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-25-2	W
Bromomethane	<559	ug/kg	2000	559	8	05/24/19 10:30	05/24/19 17:40	74-83-9	W
Carbon tetrachloride	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	56-23-5	W
Chlorobenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	108-90-7	W
Chloroethane	<536	ug/kg	2000	536	8	05/24/19 10:30	05/24/19 17:40	75-00-3	W
Chloroform	<372	ug/kg	2000	372	8	05/24/19 10:30	05/24/19 17:40	67-66-3	W
Chloromethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	74-87-3	W
Dibromochloromethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	124-48-1	W
Dibromomethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	74-95-3	W
Dichlorodifluoromethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-71-8	W
Diisopropyl ether	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	108-20-3	W
Ethylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	100-41-4	W
Hexachloro-1,3-butadiene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	87-68-3	W
Isopropylbenzene (Cumene)	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	98-82-8	W
Methyl-tert-butyl ether	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	1634-04-4	W
Methylene Chloride	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-09-2	W
Naphthalene	<320	ug/kg	2000	320	8	05/24/19 10:30	05/24/19 17:40	91-20-3	W
Styrene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

Sample: WC-23 MAY 2019 **Lab ID: 40188224001** Collected: 05/23/19 14:45 Received: 05/24/19 09:18 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							
Tetrachloroethene	171000	ug/kg	1720	717	25	05/24/19 10:30	05/28/19 10:05	127-18-4	
Toluene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	108-88-3	W
Trichloroethene	2010	ug/kg	551	229	8	05/24/19 10:30	05/24/19 17:40	79-01-6	
Trichlorofluoromethane	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-69-4	W
Vinyl chloride	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	75-01-4	W
Xylene (Total)	<600	ug/kg	1440	600	8	05/24/19 10:30	05/24/19 17:40	1330-20-7	W
cis-1,2-Dichloroethene	2530	ug/kg	551	229	8	05/24/19 10:30	05/24/19 17:40	156-59-2	
cis-1,3-Dichloropropene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	10061-01-5	W
m&p-Xylene	<400	ug/kg	960	400	8	05/24/19 10:30	05/24/19 17:40	179601-23-1	W
n-Butylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	104-51-8	W
n-Propylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	103-65-1	W
o-Xylene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	95-47-6	W
p-Isopropyltoluene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	99-87-6	W
sec-Butylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	135-98-8	W
tert-Butylbenzene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	98-06-6	W
trans-1,2-Dichloroethene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	156-60-5	W
trans-1,3-Dichloropropene	<200	ug/kg	480	200	8	05/24/19 10:30	05/24/19 17:40	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	86	%	57-146		8	05/24/19 10:30	05/24/19 17:40	1868-53-7	
Toluene-d8 (S)	72	%	64-134		8	05/24/19 10:30	05/24/19 17:40	2037-26-5	
4-Bromofluorobenzene (S)	64	%	54-126		8	05/24/19 10:30	05/24/19 17:40	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.8	%	0.10	0.10	1		05/24/19 18:38		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

QC Batch: 322373 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40188224001

METHOD BLANK: 1872151 Matrix: Solid
Associated Lab Samples: 40188224001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/24/19 08:33	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/24/19 08:33	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/24/19 08:33	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/24/19 08:33	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/24/19 08:33	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/24/19 08:33	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/24/19 08:33	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	05/24/19 08:33	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/24/19 08:33	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/24/19 08:33	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/24/19 08:33	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/24/19 08:33	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/24/19 08:33	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/24/19 08:33	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/24/19 08:33	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/24/19 08:33	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/24/19 08:33	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/24/19 08:33	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/24/19 08:33	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/24/19 08:33	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/24/19 08:33	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/24/19 08:33	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/24/19 08:33	
Benzene	ug/kg	<9.2	20.0	05/24/19 08:33	
Bromobenzene	ug/kg	<20.6	50.0	05/24/19 08:33	
Bromochloromethane	ug/kg	<21.4	50.0	05/24/19 08:33	
Bromodichloromethane	ug/kg	<9.8	50.0	05/24/19 08:33	
Bromoform	ug/kg	<19.8	50.0	05/24/19 08:33	
Bromomethane	ug/kg	<69.9	250	05/24/19 08:33	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/24/19 08:33	
Chlorobenzene	ug/kg	<14.8	50.0	05/24/19 08:33	
Chloroethane	ug/kg	<67.0	250	05/24/19 08:33	
Chloroform	ug/kg	<46.4	250	05/24/19 08:33	
Chloromethane	ug/kg	<20.4	50.0	05/24/19 08:33	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/24/19 08:33	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/24/19 08:33	
Dibromochloromethane	ug/kg	<17.9	50.0	05/24/19 08:33	
Dibromomethane	ug/kg	<19.3	50.0	05/24/19 08:33	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/24/19 08:33	
Diisopropyl ether	ug/kg	<17.7	50.0	05/24/19 08:33	
Ethylbenzene	ug/kg	<12.4	50.0	05/24/19 08:33	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

METHOD BLANK: 1872151 Matrix: Solid
Associated Lab Samples: 40188224001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	05/24/19 08:33	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/24/19 08:33	
m&p-Xylene	ug/kg	<34.4	100	05/24/19 08:33	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/24/19 08:33	
Methylene Chloride	ug/kg	<16.2	50.0	05/24/19 08:33	
n-Butylbenzene	ug/kg	<10.5	50.0	05/24/19 08:33	
n-Propylbenzene	ug/kg	<11.6	50.0	05/24/19 08:33	
Naphthalene	ug/kg	<40.0	250	05/24/19 08:33	
o-Xylene	ug/kg	<14.0	50.0	05/24/19 08:33	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/24/19 08:33	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/24/19 08:33	
Styrene	ug/kg	<9.0	50.0	05/24/19 08:33	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/24/19 08:33	
Tetrachloroethene	ug/kg	<12.9	50.0	05/24/19 08:33	
Toluene	ug/kg	<11.2	50.0	05/24/19 08:33	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/24/19 08:33	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/24/19 08:33	
Trichloroethene	ug/kg	<23.6	50.0	05/24/19 08:33	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/24/19 08:33	
Vinyl chloride	ug/kg	<21.1	50.0	05/24/19 08:33	
Xylene (Total)	ug/kg	<48.4	150	05/24/19 08:33	
4-Bromofluorobenzene (S)	%	80	54-126	05/24/19 08:33	
Dibromofluoromethane (S)	%	92	57-146	05/24/19 08:33	
Toluene-d8 (S)	%	90	64-134	05/24/19 08:33	

LABORATORY CONTROL SAMPLE: 1872152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2160	86	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2170	87	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2210	88	70-130	
1,1-Dichloroethane	ug/kg	2500	2150	86	70-130	
1,1-Dichloroethene	ug/kg	2500	2030	81	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2070	83	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1980	79	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2170	87	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2050	82	70-130	
1,2-Dichloroethane	ug/kg	2500	2180	87	70-134	
1,2-Dichloropropane	ug/kg	2500	2290	91	74-124	
1,3-Dichlorobenzene	ug/kg	2500	1970	79	70-130	
1,4-Dichlorobenzene	ug/kg	2500	1940	77	70-130	
Benzene	ug/kg	2500	2030	81	70-130	
Bromodichloromethane	ug/kg	2500	2300	92	70-130	
Bromoform	ug/kg	2500	1830	73	47-115	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

LABORATORY CONTROL SAMPLE: 1872152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	3490	140	64-165	
Carbon tetrachloride	ug/kg	2500	2240	90	70-131	
Chlorobenzene	ug/kg	2500	2090	84	70-130	
Chloroethane	ug/kg	2500	3620	145	28-197	
Chloroform	ug/kg	2500	2150	86	80-131	
Chloromethane	ug/kg	2500	1560	62	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	1970	79	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2120	85	70-130	
Dibromochloromethane	ug/kg	2500	2190	88	70-130	
Dichlorodifluoromethane	ug/kg	2500	1560	62	38-108	
Ethylbenzene	ug/kg	2500	2220	89	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2210	89	70-130	
m&p-Xylene	ug/kg	5000	4400	88	70-130	
Methyl-tert-butyl ether	ug/kg	2500	1890	76	70-130	
Methylene Chloride	ug/kg	2500	2400	96	70-130	
o-Xylene	ug/kg	2500	2090	84	70-130	
Styrene	ug/kg	2500	2220	89	70-130	
Tetrachloroethene	ug/kg	2500	2280	91	70-130	
Toluene	ug/kg	2500	2260	90	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2000	80	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2130	85	70-130	
Trichloroethene	ug/kg	2500	2270	91	70-130	
Trichlorofluoromethane	ug/kg	2500	2350	94	81-141	
Vinyl chloride	ug/kg	2500	1880	75	68-121	
Xylene (Total)	ug/kg	7500	6490	87	70-130	
4-Bromofluorobenzene (S)	%			88	54-126	
Dibromofluoromethane (S)	%			88	57-146	
Toluene-d8 (S)	%			86	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1872153 1872154

Parameter	Units	40188170002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<0.025 mg/kg	1250	1250	953	1030	76	83	64-132	8	20	
1,1,2,2-Tetrachloroethane	ug/kg	<0.025 mg/kg	1250	1250	1100	1070	88	85	70-132	3	20	
1,1,2-Trichloroethane	ug/kg	<0.025 mg/kg	1250	1250	1150	1160	92	93	70-130	1	20	
1,1-Dichloroethane	ug/kg	<0.025 mg/kg	1250	1250	1070	1050	86	84	70-130	2	20	
1,1-Dichloroethene	ug/kg	<0.025 mg/kg	1250	1250	949	944	76	76	65-126	1	21	
1,2,4-Trichlorobenzene	ug/kg	<0.048 mg/kg	1250	1250	1080	1090	87	88	66-139	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<0.091 mg/kg	1250	1250	1090	1060	87	84	47-146	3	23	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

Parameter	Units	1872153		1872154		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40188170002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromoethane (EDB)	ug/kg	<0.025 mg/kg	1250	1250	1090	1100	87	88	70-130	1	20		
1,2-Dichlorobenzene	ug/kg	<0.025 mg/kg	1250	1250	1070	1050	86	84	70-130	2	20		
1,2-Dichloroethane	ug/kg	<0.025 mg/kg	1250	1250	1060	1110	85	88	70-136	4	20		
1,2-Dichloropropane	ug/kg	<0.025 mg/kg	1250	1250	1080	1050	87	84	74-124	3	20		
1,3-Dichlorobenzene	ug/kg	<0.025 mg/kg	1250	1250	986	988	79	79	70-130	0	20		
1,4-Dichlorobenzene	ug/kg	<0.025 mg/kg	1250	1250	1060	1050	84	84	70-130	0	20		
Benzene	ug/kg	<0.025 mg/kg	1250	1250	944	984	76	79	70-130	4	20		
Bromodichloromethane	ug/kg	<0.025 mg/kg	1250	1250	1120	1110	89	88	70-130	1	20		
Bromoform	ug/kg	<0.025 mg/kg	1250	1250	1060	1040	85	83	47-129	2	20		
Bromomethane	ug/kg	<0.070 mg/kg	1250	1250	1470	1420	117	114	41-180	3	20		
Carbon tetrachloride	ug/kg	<0.025 mg/kg	1250	1250	969	994	78	80	58-133	3	20		
Chlorobenzene	ug/kg	<0.025 mg/kg	1250	1250	1070	1040	85	83	70-130	2	20		
Chloroethane	ug/kg	<0.067 mg/kg	1250	1250	1480	1470	118	118	28-197	1	20		
Chloroform	ug/kg	<0.046 mg/kg	1250	1250	1070	1070	85	86	80-131	1	20		
Chloromethane	ug/kg	<0.025 mg/kg	1250	1250	810	762	65	61	26-118	6	20		
cis-1,2-Dichloroethene	ug/kg	<0.025 mg/kg	1250	1250	992	946	79	76	70-130	5	20		
cis-1,3-Dichloropropene	ug/kg	<0.025 mg/kg	1250	1250	1020	957	81	77	70-130	6	20		
Dibromochloromethane	ug/kg	<0.025 mg/kg	1250	1250	1060	1060	85	85	67-130	0	20		
Dichlorodifluoromethane	ug/kg	<0.025 mg/kg	1250	1250	618	650	49	52	12-108	5	29		
Ethylbenzene	ug/kg	<0.025 mg/kg	1250	1250	1010	1040	81	83	80-122	2	20		
Isopropylbenzene (Cumene)	ug/kg	<0.025 mg/kg	1250	1250	967	1010	77	81	70-130	5	20		
m&p-Xylene	ug/kg	<0.050 mg/kg	2500	2500	2030	2140	81	86	70-130	5	20		
Methyl-tert-butyl ether	ug/kg	<0.025 mg/kg	1250	1250	892	922	71	74	70-130	3	20		
Methylene Chloride	ug/kg	<0.025 mg/kg	1250	1250	1150	1150	92	92	70-130	1	20		
o-Xylene	ug/kg	<0.025 mg/kg	1250	1250	983	1040	79	83	70-130	6	20		
Styrene	ug/kg	<0.025 mg/kg	1250	1250	1040	1060	83	85	70-130	3	20		
Tetrachloroethene	ug/kg	<0.025 mg/kg	1250	1250	1060	1040	85	83	70-130	2	20		

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1872153		1872154		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40188170002 Result	MS Spike Conc.	MSD Spike Conc.									
Toluene	ug/kg	<0.025 mg/kg	1250	1250	1110	1100	89	88	80-121	1	20		
trans-1,2-Dichloroethene	ug/kg	<0.025 mg/kg	1250	1250	931	981	74	78	70-130	5	20		
trans-1,3-Dichloropropene	ug/kg	<0.025 mg/kg	1250	1250	996	996	80	80	70-130	0	20		
Trichloroethene	ug/kg	<0.025 mg/kg	1250	1250	1030	1030	83	83	70-130	0	20		
Trichlorofluoromethane	ug/kg	<0.025 mg/kg	1250	1250	921	1030	74	82	60-141	11	26		
Vinyl chloride	ug/kg	<0.025 mg/kg	1250	1250	756	794	60	64	46-121	5	20		
Xylene (Total)	ug/kg	<0.075 mg/kg	3750	3750	3010	3180	80	85	70-130	5	20		
4-Bromofluorobenzene (S)	%						81	85	54-126				
Dibromofluoromethane (S)	%						86	87	57-146				
Toluene-d8 (S)	%						87	88	64-134				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

QC Batch: 322418

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40188224001

SAMPLE DUPLICATE: 1872763

Parameter	Units	40188225001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.4	6.4	0	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40188224

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40188224

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40188224001	WC-23 MAY 2019	EPA 5035/5030B	322373	EPA 8260	322375
40188224001	WC-23 MAY 2019	ASTM D2974-87	322418		

REPORT OF LABORATORY ANALYSIS

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: Rom Sullivan
Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

Tracking #: 1858052319

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

Cooler Temperature: Uncorr: DOJ / Corr: _____
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Samples on ice, cooling process has begun

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

Project #: _____
WO# : 40188224

 40188224

Person examining contents:
 Date: 5/24/2019
 Initials: SU

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>NO COC per know</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO 5/24/2019 SU</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: NO COC pm was contacted told to process

COC received via e-mail from client Sun 5/24/19 5/24/2019 SU

Project Manager Review: _____ **Date:** 5/24/19

May 06, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2019. 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

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CERTIFICATIONS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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

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SAMPLE SUMMARY

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40186216001	WC-04182019	Solid	04/18/19 12:05	04/20/19 08:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40186216001	WC-04182019	EPA 8082	BDS	10	PASI-G
		EPA 6010	TXW	10	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	17	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	JAK	1	PASI-G
		EPA 1010	DEY	1	PASI-G
		SM 2540G	KTS	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 9076	CEH	1	PASI-A
		EPA 9095	DDY	1	PASI-G
		SM 2710F	DEY	1	PASI-G
		EPA 9014	PAS	1	PASI-PA
		SM 4500S2F-00	PAS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40186216001	WC-04182019					
EPA 6010	Barium	0.47	mg/L	0.075	04/24/19 11:08	
EPA 6010	Lead	0.031J	mg/L	0.098	04/24/19 11:08	1q
EPA 6010	Nickel	0.10	mg/L	0.050	04/24/19 11:08	
EPA 8270	3&4-Methylphenol(m&p Cresol)	44.2J	ug/L	52.0	04/24/19 16:27	
EPA 8270	Phenol	6.6J	ug/L	20.0	04/24/19 16:27	
EPA 8260	Tetrachloroethene	178	ug/L	10.0	04/26/19 00:05	
EPA 8260	Trichloroethene	25.2	ug/L	10.0	04/26/19 00:05	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	04/20/19 13:56	
EPA 1010	Flashpoint	>200	deg F		04/22/19 14:27	2q
SM 2540G	Total Solids	87.0	%	0.10	04/23/19 10:14	
EPA 9045	pH at 25 Degrees C	7.63	Std. Units	0.100	04/23/19 11:22	H6
EPA 9076	Chlorine, Total	0.048	%	0.010	05/01/19 05:08	N2
EPA 9095	Free Liquids	pass	no units		04/23/19 09:46	
SM 2710F	Specific Gravity	2.2	no units		05/03/19 14:57	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Sample: WC-04182019 **Lab ID: 40186216001** Collected: 04/18/19 12:05 Received: 04/20/19 08:05 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
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	12674-11-2	
PCB-1221 (Aroclor 1221)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	11104-28-2	
PCB-1232 (Aroclor 1232)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	11141-16-5	
PCB-1242 (Aroclor 1242)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	53469-21-9	
PCB-1248 (Aroclor 1248)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	12672-29-6	
PCB-1254 (Aroclor 1254)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	11097-69-1	
PCB-1260 (Aroclor 1260)	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	11096-82-5	
PCB, Total	<28.9	ug/kg	57.9	28.9	1	04/22/19 13:12	04/23/19 17:05	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	57-115		1	04/22/19 13:12	04/23/19 17:05	877-09-8	
Decachlorobiphenyl (S)	75	%	47-97		1	04/22/19 13:12	04/23/19 17:05	2051-24-3	
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 04/22/19 13:00									
Arsenic	<0.042	mg/L	0.12	0.042	1	04/23/19 13:58	04/24/19 11:08	7440-38-2	
Barium	0.47	mg/L	0.075	0.025	1	04/23/19 13:58	04/24/19 11:08	7440-39-3	
Cadmium	<0.0066	mg/L	0.025	0.0066	1	04/23/19 13:58	04/24/19 11:08	7440-43-9	
Chromium	<0.013	mg/L	0.050	0.013	1	04/23/19 13:58	04/24/19 11:08	7440-47-3	
Copper	<0.031	mg/L	0.10	0.031	1	04/23/19 13:58	04/24/19 11:08	7440-50-8	
Lead	0.031J	mg/L	0.098	0.030	1	04/23/19 13:58	04/24/19 11:08	7439-92-1	1q
Nickel	0.10	mg/L	0.050	0.013	1	04/23/19 13:58	04/24/19 11:08	7440-02-0	
Selenium	<0.061	mg/L	0.25	0.061	1	04/23/19 13:58	04/24/19 11:08	7782-49-2	
Silver	<0.017	mg/L	0.050	0.017	1	04/23/19 13:58	04/24/19 11:08	7440-22-4	
Zinc	<0.058	mg/L	0.20	0.058	1	04/23/19 13:58	04/24/19 11:08	7440-66-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 04/22/19 13:00									
Mercury	<0.084	ug/L	0.28	0.084	1	04/23/19 12:45	04/24/19 10:40	7439-97-6	
8270 MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 04/22/19 13:00									
1,4-Dichlorobenzene	<18.8	ug/L	62.5	18.8	1	04/24/19 07:35	04/24/19 16:27	106-46-7	
2,4-Dinitrotoluene	<7.9	ug/L	26.4	7.9	1	04/24/19 07:35	04/24/19 16:27	121-14-2	
Hexachloro-1,3-butadiene	<24.6	ug/L	82.0	24.6	1	04/24/19 07:35	04/24/19 16:27	87-68-3	
Hexachlorobenzene	<16.9	ug/L	56.4	16.9	1	04/24/19 07:35	04/24/19 16:27	118-74-1	
Hexachloroethane	<26.6	ug/L	88.6	26.6	1	04/24/19 07:35	04/24/19 16:27	67-72-1	
2-Methylphenol(o-Cresol)	<8.7	ug/L	28.9	8.7	1	04/24/19 07:35	04/24/19 16:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	44.2J	ug/L	52.0	15.6	1	04/24/19 07:35	04/24/19 16:27		
Nitrobenzene	<14.5	ug/L	48.3	14.5	1	04/24/19 07:35	04/24/19 16:27	98-95-3	
Pentachlorophenol	<14.3	ug/L	47.8	14.3	1	04/24/19 07:35	04/24/19 16:27	87-86-5	L2
Phenol	6.6J	ug/L	20.0	6.0	1	04/24/19 07:35	04/24/19 16:27	108-95-2	
Pyridine	<17.9	ug/L	59.6	17.9	1	04/24/19 07:35	04/24/19 16:27	110-86-1	
2,4,5-Trichlorophenol	<8.4	ug/L	28.0	8.4	1	04/24/19 07:35	04/24/19 16:27	95-95-4	
2,4,6-Trichlorophenol	<21.1	ug/L	70.4	21.1	1	04/24/19 07:35	04/24/19 16:27	88-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Sample: WC-04182019 **Lab ID: 40186216001** Collected: 04/18/19 12:05 Received: 04/20/19 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 04/22/19 13:00									
Surrogates									
Nitrobenzene-d5 (S)	82	%	51-108		1	04/24/19 07:35	04/24/19 16:27	4165-60-0	
2-Fluorobiphenyl (S)	78	%	47-105		1	04/24/19 07:35	04/24/19 16:27	321-60-8	
2,4,6-Tribromophenol (S)	89	%	57-131		1	04/24/19 07:35	04/24/19 16:27	118-79-6	
Phenol-d6 (S)	34	%	18-120		1	04/24/19 07:35	04/24/19 16:27	13127-88-3	
8260 MSV TCLP									
Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 04/24/19 14:13									
Benzene	<5.0	ug/L	10.0	5.0	10		04/26/19 00:05	71-43-2	
2-Butanone (MEK)	<29.8	ug/L	200	29.8	10		04/26/19 00:05	78-93-3	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		04/26/19 00:05	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		04/26/19 00:05	108-90-7	
Chloroform	<25.0	ug/L	50.0	25.0	10		04/26/19 00:05	67-66-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		04/26/19 00:05	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		04/26/19 00:05	75-35-4	
Tetrachloroethene	178	ug/L	10.0	5.0	10		04/26/19 00:05	127-18-4	
Trichloroethene	25.2	ug/L	10.0	3.3	10		04/26/19 00:05	79-01-6	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		04/26/19 00:05	75-01-4	
Surrogates									
Toluene-d8 (S)	99	%	70-130		10		04/26/19 00:05	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		10		04/26/19 00:05	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		10		04/26/19 00:05	1868-53-7	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	13.6	%	0.10	0.10	1		04/20/19 13:56		
1010 Flashpoint,Closed Cup									
Analytical Method: EPA 1010									
Flashpoint	>200	deg F			1		04/22/19 14:27		2q
2540G Total Percent Solids									
Analytical Method: SM 2540G									
Total Solids	87.0	%	0.10	0.10	1		04/23/19 10:14		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	7.63	Std. Units	0.100	0.0100	1		04/23/19 11:22		H6
9076 Total Chlorine									
Analytical Method: EPA 9076									
Chlorine, Total	0.048	%	0.010	0.010	1		05/01/19 05:08	7782-50-5	N2
9095 Paint Filter Liquid Test									
Analytical Method: EPA 9095									
Free Liquids	pass	no units			1		04/23/19 09:46		
Specific Gravity									
Analytical Method: SM 2710F									
Specific Gravity	2.2	no units			1		05/03/19 14:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Sample: WC-04182019 **Lab ID: 40186216001** Collected: 04/18/19 12:05 Received: 04/20/19 08:05 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
733C S Reactive Cyanide	Analytical Method: EPA 9014 Preparation Method: SW-846 7.3.3.2								
Cyanide, Reactive	<0.46	mg/kg	1.2	0.46	1	04/25/19 20:30	04/25/19 21:16		
734S Reactive Sulfide	Analytical Method: SM 4500S2F-00 Preparation Method: SW-846 7.3.4.2								
Sulfide, Reactive	<11.5	mg/kg	11.5	11.5	1	04/25/19 20:30	04/25/19 20:33		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch: 319237 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 40186216001

METHOD BLANK: 1854937 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.084	0.28	04/24/19 09:54	

METHOD BLANK: 1852797 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.084	0.28	04/24/19 10:19	

METHOD BLANK: 1854445 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.084	0.28	04/24/19 10:26	

METHOD BLANK: 1854446 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.084	0.28	04/24/19 10:42	

LABORATORY CONTROL SAMPLE: 1854938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854939 1854940

Parameter	Units	40185953001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.00012J mg/L	5	5	5.9	6.1	116	120	85-115	4	20	M0

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

MATRIX SPIKE SAMPLE: 1854941		40186045001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Mercury	ug/L	<0.084	5	5.2	105	85-115	

MATRIX SPIKE SAMPLE: 1854942		40186021001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Mercury	ug/L	<0.084	5	5.7	113	85-115	

MATRIX SPIKE SAMPLE: 1854943		40186043001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Mercury	ug/L	<0.084	5	5.7	114	85-115	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch: 319257 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 40186216001

METHOD BLANK: 1854998 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0083	0.025	04/24/19 10:53	
Barium	mg/L	<0.0050	0.015	04/24/19 10:53	
Cadmium	mg/L	<0.0013	0.0050	04/24/19 10:53	
Chromium	mg/L	<0.0025	0.010	04/24/19 10:53	
Copper	mg/L	<0.0063	0.020	04/24/19 10:53	
Lead	mg/L	<0.0059	0.020	04/24/19 10:53	
Nickel	mg/L	<0.0026	0.010	04/24/19 10:53	
Selenium	mg/L	<0.012	0.050	04/24/19 10:53	
Silver	mg/L	<0.0033	0.010	04/24/19 10:53	
Zinc	mg/L	<0.012	0.040	04/24/19 10:53	

METHOD BLANK: 1854438 Matrix: Solid
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0083	0.025	04/24/19 12:26	
Barium	mg/L	<0.0050	0.015	04/24/19 12:26	
Cadmium	mg/L	<0.0013	0.0050	04/24/19 12:26	
Chromium	mg/L	<0.0025	0.010	04/24/19 12:26	
Copper	mg/L	<0.0063	0.020	04/24/19 12:26	
Lead	mg/L	<0.0059	0.020	04/24/19 12:26	
Nickel	mg/L	<0.0026	0.010	04/24/19 12:26	
Selenium	mg/L	<0.012	0.050	04/24/19 12:26	
Silver	mg/L	<0.0033	0.010	04/24/19 12:26	
Zinc	mg/L	<0.012	0.040	04/24/19 12:26	

METHOD BLANK: 1854439 Matrix: Solid
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.0083	0.025	04/24/19 12:31	
Barium	mg/L	<0.0050	0.015	04/24/19 12:31	
Cadmium	mg/L	<0.0013	0.0050	04/24/19 12:31	
Chromium	mg/L	<0.0025	0.010	04/24/19 12:31	
Copper	mg/L	<0.0063	0.020	04/24/19 12:31	
Lead	mg/L	0.016J	0.020	04/24/19 12:31	
Nickel	mg/L	0.0062J	0.010	04/24/19 12:31	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

METHOD BLANK: 1854439

Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Selenium	mg/L	<0.012	0.050	04/24/19 12:31	
Silver	mg/L	<0.0033	0.010	04/24/19 12:31	
Zinc	mg/L	<0.012	0.040	04/24/19 12:31	

METHOD BLANK: 1854440

Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.042	0.12	04/24/19 11:10	
Barium	mg/L	<0.025	0.075	04/24/19 11:10	
Cadmium	mg/L	<0.0066	0.025	04/24/19 11:10	
Chromium	mg/L	<0.013	0.050	04/24/19 11:10	
Copper	mg/L	<0.031	0.10	04/24/19 11:10	
Lead	mg/L	0.044J	0.098	04/24/19 11:10	
Nickel	mg/L	<0.013	0.050	04/24/19 11:10	
Selenium	mg/L	<0.061	0.25	04/24/19 11:10	
Silver	mg/L	<0.017	0.050	04/24/19 11:10	
Zinc	mg/L	<0.058	0.20	04/24/19 11:10	

METHOD BLANK: 1854441

Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	0.010J	0.025	04/24/19 11:51	
Barium	mg/L	<0.0050	0.015	04/24/19 11:51	
Cadmium	mg/L	<0.0013	0.0050	04/24/19 11:51	
Chromium	mg/L	<0.0025	0.010	04/24/19 11:51	
Copper	mg/L	<0.0063	0.020	04/24/19 11:51	
Lead	mg/L	<0.0059	0.020	04/24/19 11:51	
Nickel	mg/L	0.0044J	0.010	04/24/19 11:51	
Selenium	mg/L	<0.012	0.050	04/24/19 11:51	
Silver	mg/L	<0.0033	0.010	04/24/19 11:51	
Zinc	mg/L	<0.012	0.040	04/24/19 11:51	

METHOD BLANK: 1854442

Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.042	0.12	04/24/19 12:18	
Barium	mg/L	<0.025	0.075	04/24/19 12:18	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

METHOD BLANK: 1854442

Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/L	<0.0066	0.025	04/24/19 12:18	
Chromium	mg/L	<0.013	0.050	04/24/19 12:18	
Copper	mg/L	<0.031	0.10	04/24/19 12:18	
Lead	mg/L	<0.030	0.098	04/24/19 12:18	
Nickel	mg/L	<0.013	0.050	04/24/19 12:18	
Selenium	mg/L	<0.061	0.25	04/24/19 12:18	
Silver	mg/L	<0.017	0.050	04/24/19 12:18	
Zinc	mg/L	<0.058	0.20	04/24/19 12:18	

LABORATORY CONTROL SAMPLE: 1854999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.5	0.50	100	80-120	
Barium	mg/L	0.5	0.52	104	80-120	
Cadmium	mg/L	0.5	0.52	103	80-120	
Chromium	mg/L	0.5	0.53	107	80-120	
Copper	mg/L	0.5	0.52	105	80-120	
Lead	mg/L	0.5	0.52	104	80-120	
Nickel	mg/L	0.5	0.53	105	80-120	
Selenium	mg/L	0.5	0.55	109	80-120	
Silver	mg/L	0.25	0.27	107	80-120	
Zinc	mg/L	0.5	0.54	108	80-120	

MATRIX SPIKE SAMPLE: 1855000

Parameter	Units	40186045001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.021J	0.5	0.48	92	75-125	
Barium	mg/L	0.010J	0.5	0.51	101	75-125	
Cadmium	mg/L	0.0014J	0.5	0.49	98	75-125	
Chromium	mg/L	<0.0025	0.5	0.52	103	75-125	
Copper	mg/L	<0.0063	0.5	0.51	101	75-125	
Lead	mg/L	<0.0059	0.5	0.50	100	75-125	
Nickel	mg/L	<0.0026	0.5	0.50	100	75-125	
Selenium	mg/L	<0.012	0.5	0.49	97	75-125	
Silver	mg/L	<0.0033	0.25	0.26	103	75-125	
Zinc	mg/L	0.019J	0.5	0.53	103	75-125	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Parameter	Units	1855001		1855002		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Arsenic	mg/L	<0.042	2.5	2.5	2.5	2.5	100	98	75-125	2	20		
Barium	mg/L	0.79	2.5	2.5	3.4	3.4	103	104	75-125	1	20		
Cadmium	mg/L	<0.0066	2.5	2.5	2.6	2.7	105	106	75-125	1	20		
Chromium	mg/L	<0.013	2.5	2.5	2.6	2.6	103	103	75-125	1	20		
Copper	mg/L	<0.031	2.5	2.5	2.6	2.6	102	103	75-125	1	20		
Lead	mg/L	<0.030	2.5	2.5	2.6	2.6	104	103	75-125	0	20		
Nickel	mg/L	0.034J	2.5	2.5	2.6	2.6	104	104	75-125	0	20		
Selenium	mg/L	<0.061	2.5	2.5	2.7	2.8	105	108	75-125	3	20		
Silver	mg/L	<0.017	1.2	1.2	1.3	1.3	104	105	75-125	1	20		
Zinc	mg/L	0.51	2.5	2.5	3.1	3.1	105	105	75-125	0	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch: 319411 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40186216001

METHOD BLANK: 1856027 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.41	1.0	04/25/19 17:59	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/25/19 17:59	
2-Butanone (MEK)	ug/L	<3.0	20.0	04/25/19 17:59	
Benzene	ug/L	<0.50	1.0	04/25/19 17:59	
Carbon tetrachloride	ug/L	<0.50	1.0	04/25/19 17:59	
Chlorobenzene	ug/L	<0.50	1.0	04/25/19 17:59	
Chloroform	ug/L	<2.5	5.0	04/25/19 17:59	
Tetrachloroethene	ug/L	<0.50	1.0	04/25/19 17:59	
Trichloroethene	ug/L	<0.33	1.0	04/25/19 17:59	
Vinyl chloride	ug/L	<0.18	1.0	04/25/19 17:59	
4-Bromofluorobenzene (S)	%	91	70-130	04/25/19 17:59	
Dibromofluoromethane (S)	%	99	70-130	04/25/19 17:59	
Toluene-d8 (S)	%	97	70-130	04/25/19 17:59	

METHOD BLANK: 1855295 Matrix: Solid
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<4.1	10.0	04/26/19 01:53	
1,2-Dichloroethane	ug/L	<1.7	10.0	04/26/19 01:53	
2-Butanone (MEK)	ug/L	<29.8	200	04/26/19 01:53	
Benzene	ug/L	<5.0	10.0	04/26/19 01:53	
Carbon tetrachloride	ug/L	<5.0	10.0	04/26/19 01:53	
Chlorobenzene	ug/L	<5.0	10.0	04/26/19 01:53	
Chloroform	ug/L	<25.0	50.0	04/26/19 01:53	
Tetrachloroethene	ug/L	<5.0	10.0	04/26/19 01:53	
Trichloroethene	ug/L	<3.3	10.0	04/26/19 01:53	
Vinyl chloride	ug/L	<1.8	10.0	04/26/19 01:53	
4-Bromofluorobenzene (S)	%	93	70-130	04/26/19 01:53	
Dibromofluoromethane (S)	%	94	70-130	04/26/19 01:53	
Toluene-d8 (S)	%	97	70-130	04/26/19 01:53	

LABORATORY CONTROL SAMPLE: 1856028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	52.2	104	73-150	
1,2-Dichloroethane	ug/L	50	54.2	108	75-140	
Benzene	ug/L	50	54.7	109	70-130	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

LABORATORY CONTROL SAMPLE: 1856028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.5	107	70-130	
Chlorobenzene	ug/L	50	54.6	109	70-130	
Chloroform	ug/L	50	52.1	104	74-136	
Tetrachloroethene	ug/L	50	54.2	108	70-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Vinyl chloride	ug/L	50	41.9	84	51-120	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1856220

Parameter	Units	40186055002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<4.1	500	534	107	73-153	
1,2-Dichloroethane	ug/L	<1.7	500	528	106	75-140	
Benzene	ug/L	<5.0	500	509	102	70-130	
Carbon tetrachloride	ug/L	<5.0	500	516	103	70-130	
Chlorobenzene	ug/L	<5.0	500	531	106	70-130	
Chloroform	ug/L	<25.0	500	506	101	74-136	
Tetrachloroethene	ug/L	<5.0	500	521	104	70-130	
Trichloroethene	ug/L	<3.3	500	534	107	70-130	
Vinyl chloride	ug/L	<1.8	500	396	79	41-129	
4-Bromofluorobenzene (S)	%				102	70-130	
Dibromofluoromethane (S)	%				97	70-130	
Toluene-d8 (S)	%				98	70-130	

MATRIX SPIKE SAMPLE: 1856221

Parameter	Units	40186112002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<4.1	500	526	105	73-153	
1,2-Dichloroethane	ug/L	<1.7	500	535	107	75-140	
Benzene	ug/L	<5.0	500	521	104	70-130	
Carbon tetrachloride	ug/L	<5.0	500	521	104	70-130	
Chlorobenzene	ug/L	<5.0	500	534	107	70-130	
Chloroform	ug/L	<25.0	500	512	102	74-136	
Tetrachloroethene	ug/L	<5.0	500	524	105	70-130	
Trichloroethene	ug/L	<3.3	500	534	107	70-130	
Vinyl chloride	ug/L	<1.8	500	395	79	41-129	
4-Bromofluorobenzene (S)	%				100	70-130	
Dibromofluoromethane (S)	%				100	70-130	
Toluene-d8 (S)	%				97	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1856222 1856223											
Parameter	Units	40186144001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,1-Dichloroethene	ug/L	<4.1	500	500	528	520	106	104	73-153	1	20
1,2-Dichloroethane	ug/L	<1.7	500	500	518	494	104	99	75-140	5	20
Benzene	ug/L	<5.0	500	500	497	492	99	98	70-130	1	20
Carbon tetrachloride	ug/L	<5.0	500	500	512	509	102	102	70-130	1	20
Chlorobenzene	ug/L	<5.0	500	500	531	532	106	106	70-130	0	20
Chloroform	ug/L	<25.0	500	500	486	475	97	95	74-136	2	20
Tetrachloroethene	ug/L	<5.0	500	500	532	528	106	106	70-130	1	20
Trichloroethene	ug/L	<3.3	500	500	524	527	105	105	70-130	0	20
Vinyl chloride	ug/L	<1.8	500	500	386	379	77	76	41-129	2	20
4-Bromofluorobenzene (S)	%						102	101	70-130		
Dibromofluoromethane (S)	%						98	93	70-130		
Toluene-d8 (S)	%						97	97	70-130		

MATRIX SPIKE SAMPLE: 1856224							
Parameter	Units	40186318001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<0.0041 mg/L	500	503	101	73-153	
1,2-Dichloroethane	ug/L	<0.0017 mg/L	500	512	102	75-140	
Benzene	ug/L	<0.0050 mg/L	500	525	105	70-130	
Carbon tetrachloride	ug/L	<0.0050 mg/L	500	521	104	70-130	
Chlorobenzene	ug/L	<0.0050 mg/L	500	529	106	70-130	
Chloroform	ug/L	<0.025 mg/L	500	517	103	74-136	
Tetrachloroethene	ug/L	<0.0050 mg/L	500	524	105	70-130	
Trichloroethene	ug/L	<0.0033 mg/L	500	552	110	70-130	
Vinyl chloride	ug/L	<0.0018 mg/L	500	379	76	41-129	
4-Bromofluorobenzene (S)	%				107	70-130	
Dibromofluoromethane (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

MATRIX SPIKE SAMPLE: 1856225							
Parameter	Units	40186318002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<0.0041 mg/L	500	486	97	73-153	
1,2-Dichloroethane	ug/L	<0.0017 mg/L	500	499	100	75-140	
Benzene	ug/L	<0.0050 mg/L	500	520	104	70-130	
Carbon tetrachloride	ug/L	<0.0050 mg/L	500	522	104	70-130	
Chlorobenzene	ug/L	<0.0050 mg/L	500	536	107	70-130	
Chloroform	ug/L	<0.025 mg/L	500	498	100	74-136	
Tetrachloroethene	ug/L	<0.0050 mg/L	500	531	105	70-130	
Trichloroethene	ug/L	<0.0033 mg/L	500	546	109	70-130	
Vinyl chloride	ug/L	<0.0018 mg/L	500	377	75	41-129	
4-Bromofluorobenzene (S)	%				96	70-130	
Dibromofluoromethane (S)	%				95	70-130	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

MATRIX SPIKE SAMPLE:		1856225					
Parameter	Units	40186318002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%				100	70-130	

MATRIX SPIKE SAMPLE:		1856226					
Parameter	Units	40186318003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<0.10 mg/L	12500	12600	101	73-153	
1,2-Dichloroethane	ug/L	<0.042 mg/L	12500	13400	108	75-140	
Benzene	ug/L	<0.12 mg/L	12500	13900	111	70-130	
Carbon tetrachloride	ug/L	<0.12 mg/L	12500	13000	104	70-130	
Chlorobenzene	ug/L	<0.12 mg/L	12500	13400	107	70-130	
Chloroform	ug/L	<0.62 mg/L	12500	12900	103	74-136	
Tetrachloroethene	ug/L	<0.12 mg/L	12500	13400	107	70-130	
Trichloroethene	ug/L	<0.083 mg/L	12500	13700	110	70-130	
Vinyl chloride	ug/L	<0.044 mg/L	12500	9540	76	41-129	
4-Bromofluorobenzene (S)	%				101	70-130	
Dibromofluoromethane (S)	%				103	70-130	
Toluene-d8 (S)	%				99	70-130	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch: 319112 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40186216001

METHOD BLANK: 1854512 Matrix: Solid
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	04/23/19 13:15	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	04/23/19 13:15	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	04/23/19 13:15	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	04/23/19 13:15	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	04/23/19 13:15	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	04/23/19 13:15	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	04/23/19 13:15	
Decachlorobiphenyl (S)	%	85	47-97	04/23/19 13:15	
Tetrachloro-m-xylene (S)	%	86	57-115	04/23/19 13:15	

LABORATORY CONTROL SAMPLE: 1854513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	392	78	64-115	
Decachlorobiphenyl (S)	%			79	47-97	
Tetrachloro-m-xylene (S)	%			80	57-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854514 1854515

Parameter	Units	40186217002		1854515		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
PCB-1016 (Aroclor 1016)	ug/kg	<0.026 mg/kg		<26.2	<26.1					20	
PCB-1221 (Aroclor 1221)	ug/kg	<0.026 mg/kg		<26.2	<26.1					20	
PCB-1232 (Aroclor 1232)	ug/kg	<0.026 mg/kg		<26.2	<26.1					20	
PCB-1242 (Aroclor 1242)	ug/kg	<0.026 mg/kg		<26.2	<26.1					20	
PCB-1248 (Aroclor 1248)	ug/kg	<0.026 mg/kg		<26.2	<26.1					20	
PCB-1254 (Aroclor 1254)	ug/kg	<0.026 mg/kg		<26.2	<26.1					20	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Parameter	Units	1854514		1854515		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40186217002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						MSD Result
PCB-1260 (Aroclor 1260)	ug/kg	<0.026 mg/kg	524	523	422	431	81	82	49-115	2	20
Decachlorobiphenyl (S)	%						82	85	47-97		
Tetrachloro-m-xylene (S)	%						82	83	57-115		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch: 319298 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 40186216001

METHOD BLANK: 1855309 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<3.8	12.5	04/24/19 13:33	
2,4,5-Trichlorophenol	ug/L	<1.7	5.6	04/24/19 13:33	
2,4,6-Trichlorophenol	ug/L	<4.2	14.1	04/24/19 13:33	
2,4-Dinitrotoluene	ug/L	<1.6	5.3	04/24/19 13:33	
2-Methylphenol(o-Cresol)	ug/L	<1.7	5.8	04/24/19 13:33	
3&4-Methylphenol(m&p Cresol)	ug/L	<3.1	10.4	04/24/19 13:33	
Hexachloro-1,3-butadiene	ug/L	<4.9	16.4	04/24/19 13:33	
Hexachlorobenzene	ug/L	<3.4	11.3	04/24/19 13:33	
Hexachloroethane	ug/L	<5.3	17.7	04/24/19 13:33	
Nitrobenzene	ug/L	<2.9	9.7	04/24/19 13:33	
Pentachlorophenol	ug/L	<2.9	9.6	04/24/19 13:33	
Phenol	ug/L	<1.2	4.0	04/24/19 13:33	
Pyridine	ug/L	<3.6	11.9	04/24/19 13:33	
2,4,6-Tribromophenol (S)	%	90	57-131	04/24/19 13:33	
2-Fluorobiphenyl (S)	%	71	47-105	04/24/19 13:33	
Nitrobenzene-d5 (S)	%	78	51-108	04/24/19 13:33	
Phenol-d6 (S)	%	34	18-120	04/24/19 13:33	

METHOD BLANK: 1854443 Matrix: Water
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<18.8	62.5	04/24/19 18:37	
2,4,5-Trichlorophenol	ug/L	<8.4	28.0	04/24/19 18:37	
2,4,6-Trichlorophenol	ug/L	<21.1	70.4	04/24/19 18:37	
2,4-Dinitrotoluene	ug/L	<7.9	26.4	04/24/19 18:37	
2-Methylphenol(o-Cresol)	ug/L	<8.7	28.9	04/24/19 18:37	
3&4-Methylphenol(m&p Cresol)	ug/L	<15.6	52.0	04/24/19 18:37	
Hexachloro-1,3-butadiene	ug/L	<24.6	82.0	04/24/19 18:37	
Hexachlorobenzene	ug/L	<16.9	56.4	04/24/19 18:37	
Hexachloroethane	ug/L	<26.6	88.6	04/24/19 18:37	
Nitrobenzene	ug/L	<14.5	48.3	04/24/19 18:37	
Pentachlorophenol	ug/L	<14.3	47.8	04/24/19 18:37	
Phenol	ug/L	<6.0	20.0	04/24/19 18:37	
Pyridine	ug/L	<17.9	59.6	04/24/19 18:37	
2,4,6-Tribromophenol (S)	%	84	57-131	04/24/19 18:37	
2-Fluorobiphenyl (S)	%	57	47-105	04/24/19 18:37	
Nitrobenzene-d5 (S)	%	60	51-108	04/24/19 18:37	
Phenol-d6 (S)	%	26	18-120	04/24/19 18:37	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

METHOD BLANK: 1854444

Matrix: Water

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<18.8	62.5	04/24/19 18:59	
2,4,5-Trichlorophenol	ug/L	<8.4	28.0	04/24/19 18:59	
2,4,6-Trichlorophenol	ug/L	<21.1	70.4	04/24/19 18:59	
2,4-Dinitrotoluene	ug/L	<7.9	26.4	04/24/19 18:59	
2-Methylphenol(o-Cresol)	ug/L	<8.7	28.9	04/24/19 18:59	
3&4-Methylphenol(m&p Cresol)	ug/L	<15.6	52.0	04/24/19 18:59	
Hexachloro-1,3-butadiene	ug/L	<24.6	82.0	04/24/19 18:59	
Hexachlorobenzene	ug/L	<16.9	56.4	04/24/19 18:59	
Hexachloroethane	ug/L	<26.6	88.6	04/24/19 18:59	
Nitrobenzene	ug/L	<14.5	48.3	04/24/19 18:59	
Pentachlorophenol	ug/L	<14.3	47.8	04/24/19 18:59	
Phenol	ug/L	<6.0	20.0	04/24/19 18:59	
Pyridine	ug/L	<17.9	59.6	04/24/19 18:59	
2,4,6-Tribromophenol (S)	%	81	57-131	04/24/19 18:59	
2-Fluorobiphenyl (S)	%	68	47-105	04/24/19 18:59	
Nitrobenzene-d5 (S)	%	73	51-108	04/24/19 18:59	
Phenol-d6 (S)	%	28	18-120	04/24/19 18:59	

LABORATORY CONTROL SAMPLE: 1855310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	35.8	72	57-120	
2,4,5-Trichlorophenol	ug/L	50	44.0	88	59-124	
2,4,6-Trichlorophenol	ug/L	50	41.7	83	64-125	
2,4-Dinitrotoluene	ug/L	50	46.7	93	70-132	
2-Methylphenol(o-Cresol)	ug/L	50	39.4	79	45-107	
3&4-Methylphenol(m&p Cresol)	ug/L	50	36.2	72	39-130	
Hexachloro-1,3-butadiene	ug/L	50	35.3	71	63-107	
Hexachlorobenzene	ug/L	50	46.5	93	70-124	
Hexachloroethane	ug/L	50	32.3	65	50-130	
Nitrobenzene	ug/L	50	43.7	87	70-130	
Pentachlorophenol	ug/L	50	22.5	45	61-113	L2
Phenol	ug/L	50	19.3	39	25-120	
Pyridine	ug/L	50	27.3	55	10-78	
2,4,6-Tribromophenol (S)	%			95	57-131	
2-Fluorobiphenyl (S)	%			79	47-105	
Nitrobenzene-d5 (S)	%			86	51-108	
Phenol-d6 (S)	%			37	18-120	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

MATRIX SPIKE SAMPLE: 1855311		40186045001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<18.8	250	142	57	55-120	
2,4,5-Trichlorophenol	ug/L	<8.4	250	228	91	26-124	
2,4,6-Trichlorophenol	ug/L	<21.1	250	217	87	29-125	
2,4-Dinitrotoluene	ug/L	<7.9	250	236	94	32-143	
2-Methylphenol(o-Cresol)	ug/L	<8.7	250	220	88	25-107	
3&4-Methylphenol(m&p Cresol)	ug/L	<15.6	250	198	79	21-130	
Hexachloro-1,3-butadiene	ug/L	<24.6	250	136	54	63-109	M1
Hexachlorobenzene	ug/L	<16.9	250	225	90	57-124	
Hexachloroethane	ug/L	<26.6	250	120	48	50-130	M1
Nitrobenzene	ug/L	<14.5	250	218	87	23-147	
Pentachlorophenol	ug/L	<14.3	250	143	57	10-200	
Phenol	ug/L	<6.0	250	98.7	39	20-120	
Pyridine	ug/L	<17.9	250	104	42	10-78	
2,4,6-Tribromophenol (S)	%				95	57-131	
2-Fluorobiphenyl (S)	%				77	47-105	
Nitrobenzene-d5 (S)	%				81	51-108	
Phenol-d6 (S)	%				38	18-120	

MATRIX SPIKE SAMPLE: 1855312		40186184001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<0.019 mg/L	250	155	62	55-120	
2,4,5-Trichlorophenol	ug/L	<0.0084 mg/L	250	222	89	26-124	
2,4,6-Trichlorophenol	ug/L	<0.021 mg/L	250	210	84	29-125	
2,4-Dinitrotoluene	ug/L	<0.0079 mg/L	250	230	92	32-143	
2-Methylphenol(o-Cresol)	ug/L	<0.0087 mg/L	250	208	83	25-107	
3&4-Methylphenol(m&p Cresol)	ug/L	<0.016 mg/L	250	193	77	21-130	
Hexachloro-1,3-butadiene	ug/L	<0.025 mg/L	250	153	61	63-109	M1
Hexachlorobenzene	ug/L	<0.017 mg/L	250	218	87	57-124	
Hexachloroethane	ug/L	<0.027 mg/L	250	137	55	50-130	
Nitrobenzene	ug/L	<0.015 mg/L	250	210	84	23-147	
Pentachlorophenol	ug/L	<0.014 mg/L	250	148	59	10-200	
Phenol	ug/L	<0.0060 mg/L	250	93.7	37	20-120	
Pyridine	ug/L	<0.018 mg/L	250	145	58	10-78	
2,4,6-Tribromophenol (S)	%				91	57-131	
2-Fluorobiphenyl (S)	%				74	47-105	
Nitrobenzene-d5 (S)	%				79	51-108	
Phenol-d6 (S)	%				36	18-120	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch:	318998	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40186216001		

SAMPLE DUPLICATE: 1854133

Parameter	Units	40186199001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.6	5.6	0	10	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

QC Batch: 319068	Analysis Method: EPA 1010
QC Batch Method: EPA 1010	Analysis Description: 1010 Flash Point, Closed Cup
Associated Lab Samples: 40186216001	

LABORATORY CONTROL SAMPLE: 1854390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		83.0			

SAMPLE DUPLICATE: 1854594

Parameter	Units	40186045001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>200	>200			

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

QC Batch:	319189	Analysis Method:	SM 2540G
QC Batch Method:	SM 2540G	Analysis Description:	2540G Total Solids
Associated Lab Samples:	40186216001		

METHOD BLANK: 1854725 Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	<30.0	30.0	04/23/19 10:12	

LABORATORY CONTROL SAMPLE: 1854726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	728	750	103	80-120	

SAMPLE DUPLICATE: 1854727

Parameter	Units	40186089001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	96.8	96.8	0	5	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

QC Batch: 319171 Analysis Method: EPA 9045

QC Batch Method: EPA 9045 Analysis Description: 9045 pH

Associated Lab Samples: 40186216001

SAMPLE DUPLICATE: 1854672

Parameter	Units	40185943002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.46	8.42	0	5	H6

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

QC Batch:	319190	Analysis Method:	EPA 9095
QC Batch Method:	EPA 9095	Analysis Description:	9095 PAINT FILTER LIQUID TEST
Associated Lab Samples:	40186216001		

METHOD BLANK: 1854728 Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Free Liquids	no units	fail		04/23/19 09:30	

LABORATORY CONTROL SAMPLE: 1854729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Free Liquids	no units		pass			

SAMPLE DUPLICATE: 1854730

Parameter	Units	40186115001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids	no units	pass	pass			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

QC Batch: 320364

Analysis Method: SM 2710F

QC Batch Method: SM 2710F

Analysis Description: Spec.Gravity

Associated Lab Samples: 40186216001

SAMPLE DUPLICATE: 1861189

Parameter	Units	40186706001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Gravity	no units	2.3	2.1	8	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

QC Batch: 339840	Analysis Method: EPA 9014
QC Batch Method: SW-846 7.3.3.2	Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 40186216001	

METHOD BLANK: 1653550 Matrix: Solid

Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	<0.40	1.0	04/25/19 21:07	

LABORATORY CONTROL SAMPLE: 1653551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	99.7	<0.40	0	0-8	

SAMPLE DUPLICATE: 1653552

Parameter	Units	30290759001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	<0.40		20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

QC Batch: 339839	Analysis Method: SM 4500S2F-00
QC Batch Method: SW-846 7.3.4.2	Analysis Description: 734S Reactive Sulfide
Associated Lab Samples: 40186216001	

METHOD BLANK: 1653547 Matrix: Solid
Associated Lab Samples: 40186216001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<10	10	04/25/19 20:33	

LABORATORY CONTROL SAMPLE: 1653548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	200	35.9	18	0-52	

SAMPLE DUPLICATE: 1653549

Parameter	Units	30290759001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	<9.9		20	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40186216

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.
LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

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

ANALYTE QUALIFIERS

1q Analyte was detected in the associated leach blank at a concentration of 0.044 mg/L.
2q Use of method EPA 1010A for flash point analysis on solid samples is for informational purposes only. It is the user's responsibility to verify the acceptance of this data for intended use.
H6 Analysis initiated outside of the 15 minute EPA required holding time.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
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 but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40186216

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186216001	WC-04182019	EPA 3541	319112	EPA 8082	319120
40186216001	WC-04182019	EPA 3010	319257	EPA 6010	319312
40186216001	WC-04182019	EPA 7470	319237	EPA 7470	319266
40186216001	WC-04182019	EPA 3510	319298	EPA 8270	319381
40186216001	WC-04182019	EPA 8260	319411		
40186216001	WC-04182019	ASTM D2974-87	318998		
40186216001	WC-04182019	EPA 1010	319068		
40186216001	WC-04182019	SM 2540G	319189		
40186216001	WC-04182019	EPA 9045	319171		
40186216001	WC-04182019	EPA 9076	472471		
40186216001	WC-04182019	EPA 9095	319190		
40186216001	WC-04182019	SM 2710F	320364		
40186216001	WC-04182019	SW-846 7.3.3.2	339840	EPA 9014	340035
40186216001	WC-04182019	SW-846 7.3.4.2	339839	SM 4500S2F-00	340034

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll

Project #:

WO#: **40186216**



Courier: CS Logistics Fed Ex Speedee UPS Walco
 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 - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: KOE ICorr: _____

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

Person examining contents:
Date: 4-20-19
Initials: TV

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No pp#1, mail 4-20-19 TV</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: 4/22/19

June 26, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40189571

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2019. 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

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CERTIFICATIONS

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

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

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SAMPLE SUMMARY

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189571001	WC-COMP 20190614	Solid	06/14/19 13:10	06/17/19 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189571001	WC-COMP 20190614	EPA 9076	CEH	1	PASI-A
		SM 2710F	DEY	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189571001	WC-COMP 20190614					
ASTM D2974-87	Percent Moisture	15.4	%	0.10	06/15/19 21:55	
SM 2710F	Specific Gravity	2.1	no units		06/24/19 13:24	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

Sample: WC-COMP 20190614 **Lab ID: 40189571001** Collected: 06/14/19 13:10 Received: 06/17/19 09:30 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
	Analytical Method: ASTM D2974-87								
Percent Moisture	15.4	%	0.10	0.10	1		06/15/19 21:55		
9076 Total Chlorine	Analytical Method: EPA 9076								
Chlorine, Total	<0.010	%	0.010	0.010	1		06/26/19 02:23	7782-50-5	N2
Specific Gravity	Analytical Method: SM 2710F								
Specific Gravity	2.1	no units			1		06/24/19 13:24		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

QC Batch: 325452

Analysis Method: SM 2710F

QC Batch Method: SM 2710F

Analysis Description: Spec.Gravity

Associated Lab Samples: 40189571001

SAMPLE DUPLICATE: 1889910

Parameter	Units	40189570001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Gravity	no units	2.2	2.2	1	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40189571

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

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

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 ONE-HOUR VALET

Pace Project No.: 40189571

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189571001	WC-COMP 20190614	EPA 9076	483249		
40189571001	WC-COMP 20190614	SM 2710F	325452		

REPORT OF LABORATORY ANALYSIS

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1068

UPPER MIDWEST REGION
MN: 612-807-1700 WI: 820-469-2436

gp 1 of 1

40189571

(Please Print Clearly)

Company Name: **RAMBOLL**

Branch/Location: **BROOKFIELD WISCONSIN**

Project Contact: **SUSAN PETROFSKE**

Phone: **262 901 3501**

Project Number: **1690005819**

Project Name: **ONE-HOUR VALET**

Project State: **WISCONSIN**

Sampled By (Print): **PAUL LINDQUIST**

Sampled By (Sign): *Paul Lindquist*

PO #:

Regulatory Program:



CHAIN OF CUSTODY

Preservation Codes

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

FILTERED? (YES/NO)
PRESERVATION (CODE)

Y/N	Risk Level	Matrix	Analysis Requested
	A	A	F
	Protocol B	% CHLORINE	TOTAL VOCs

Quote #: **00059220**

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

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 = Biot DW = Drinking Water
C = Charcoal GW = Ground Water
D = DI SW = Surface Water
S = Soil WW = Waste Water
SI = Sludge WP = Waste

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
	WC-COMP 20190614	6/14/19	1310	S

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed: **5 DAY TURN**

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

Requisitioned By: *Paul Lindquist* Date/Time: **6/14/19 1420** Received By: *Michelle* Date/Time: **6/14/19 1420**

Requisitioned By: *Michelle* Date/Time: **6/14/19 1630** Received By: **FEDEX** Date/Time: **6/14/19 1620**

Requisitioned By: **Fedex** Date/Time: **6/18/19 0905** Received By: *Alfreda* Date/Time: **6/18/19 0905**

Requisitioned By: Date/Time: Received By: Date/Time:

Requisitioned By: Date/Time: Received By: *At* Date/Time: **6/18/19 8:45**


PACE Project No. **A3BF**


Receipt Temp = **9.6-30.3 °C**

Sample Receipt pH **OK / Adjusted**

Cooler Custody Seal **Present / Not Present**
Intact / Not Intact

40189571

Pace Analytical National Center for Testing & Innovation Cooler Receipt Form			
Client:	SDG#:		
Cooler Received/Opened On: 6/15/19	Temperature:		
Received By: Jordan Harris			
Signature: 			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?			
Bottles arrive intact?			
Correct bottles used?			
Sufficient volume sent?			
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

 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 #:

Client Name: Ramboll

WO#: **40189571**

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: 106259825257

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

Cooler Temperature Uncorr: 20 / Corr: _____

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

Person examining contents:
 Date: 6/18/19
 Initials: CS

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>mail to</u> <u>CS/6/18/19</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>1109714 ID</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>CS/6/18/19</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: 6/18/19

Pace Analytical - Green Bay, WI

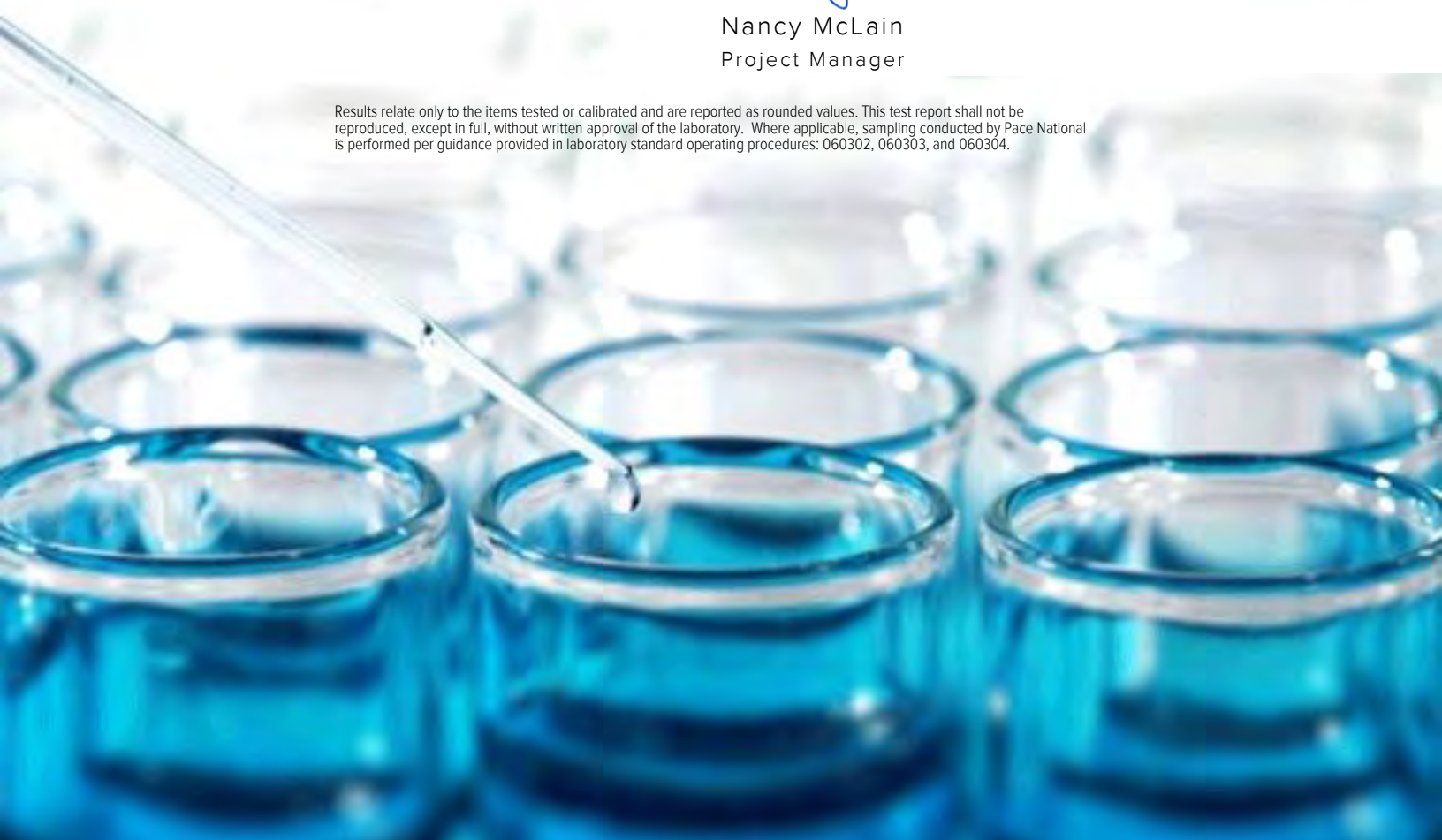
Sample Delivery Group: L1109716
Samples Received: 06/15/2019
Project Number: 40189571
Description: 1690005819 ONE-HOUR VALET
Site: 001
Report To: Steve Mleczo
1241 Bellvue Street, Suite 9
Green Bay, WI 54302

Entire Report Reviewed By:



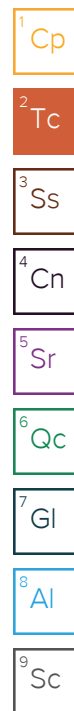
Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





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SAMPLE SUMMARY

WC-COMP 20190614 L1109716-01 Solid

Collected by: Paul Lindquist
 Collected date/time: 06/14/19 13:10
 Received date/time: 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	KBC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1300661	57.5	06/14/19 13:10	06/24/19 02:26	DWR	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1299398	1	06/21/19 10:47	06/22/19 11:07	RAH	Mt. Juliet, TN

1
Cp

2
Tc

3
Ss

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Cn

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Sr

6
Qc

7
Gl

8
Al

9
Sc

WC-COMP 20190614 L1109716-02 Waste

Collected by: Paul Lindquist
 Collected date/time: 06/14/19 13:10
 Received date/time: 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1300361	1	06/22/19 10:54	06/22/19 10:54	RT	Mt. Juliet, TN
Preparation by Method 1311	WG1300395	1	06/22/19 12:31	06/22/19 12:31	RT	Mt. Juliet, TN
Wet Chemistry by Method 9012 B	WG1301407	1	06/25/19 09:41	06/25/19 16:07	JER	Mt. Juliet, TN
Wet Chemistry by Method 9034-9030B	WG1300880	1	06/24/19 14:37	06/24/19 14:37	TCC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1297013	1	06/17/19 06:30	06/17/19 12:26	TH	Mt. Juliet, TN
Wet Chemistry by Method 9095B	WG1299651	1	06/24/19 07:36	06/24/19 15:36	TCC	Mt. Juliet, TN
Wet Chemistry by Method D93/1010A	WG1299650	1	06/24/19 15:00	06/24/19 15:00	TCC	Mt. Juliet, TN
Mercury by Method 7470A	WG1300673	1	06/23/19 15:56	06/24/19 14:21	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1300828	1	06/24/19 02:09	06/24/19 10:58	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1300635	1	06/23/19 18:52	06/23/19 18:52	HJF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1301758	1	06/26/19 06:56	06/26/19 14:11	AO	Mt. Juliet, TN



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

Project Narrative

All Reactive Cyanide results reported in the attached report were determined as totals using method 9012B.
All Reactive Sulfide results reported in the attached report were determined as totals using method 9034/9030B.

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.931	3.11	57.5	06/24/2019 02:26	WG1300661
Acrylonitrile	U		0.129	0.430	57.5	06/24/2019 02:26	WG1300661
Allyl chloride	U		0.986	3.28	57.5	06/24/2019 02:26	WG1300661
Benzene	U		0.0272	0.0904	57.5	06/24/2019 02:26	WG1300661
Bromobenzene	U		0.0714	0.238	57.5	06/24/2019 02:26	WG1300661
Bromodichloromethane	U		0.0535	0.179	57.5	06/24/2019 02:26	WG1300661
Bromoform	U		0.407	1.35	57.5	06/24/2019 02:26	WG1300661
Bromomethane	U		0.252	0.836	57.5	06/24/2019 02:26	WG1300661
n-Butylbenzene	U		0.261	0.870	57.5	06/24/2019 02:26	WG1300661
sec-Butylbenzene	U		0.171	0.573	57.5	06/24/2019 02:26	WG1300661
tert-Butylbenzene	U		0.105	0.351	57.5	06/24/2019 02:26	WG1300661
Carbon tetrachloride	U		0.0734	0.245	57.5	06/24/2019 02:26	WG1300661
Chlorobenzene	U		0.0389	0.130	57.5	06/24/2019 02:26	WG1300661
Chlorodibromomethane	U		0.0306	0.102	57.5	06/24/2019 02:26	WG1300661
Chloroethane	U		0.0734	0.245	57.5	06/24/2019 02:26	WG1300661
Chloroform	U		0.0283	0.0938	57.5	06/24/2019 02:26	WG1300661
Chloromethane	U		0.0944	0.315	57.5	06/24/2019 02:26	WG1300661
2-Chlorotoluene	U		0.0625	0.209	57.5	06/24/2019 02:26	WG1300661
4-Chlorotoluene	U		0.0768	0.256	57.5	06/24/2019 02:26	WG1300661
1,2-Dibromo-3-Chloropropane	U		0.346	1.16	57.5	06/24/2019 02:26	WG1300661
1,2-Dibromoethane	U		0.0357	0.119	57.5	06/24/2019 02:26	WG1300661
Dibromomethane	U		0.0680	0.226	57.5	06/24/2019 02:26	WG1300661
1,2-Dichlorobenzene	U		0.0986	0.328	57.5	06/24/2019 02:26	WG1300661
1,3-Dichlorobenzene	U		0.116	0.385	57.5	06/24/2019 02:26	WG1300661
1,4-Dichlorobenzene	U	J4	0.134	0.447	57.5	06/24/2019 02:26	WG1300661
Dichlorodifluoromethane	U		0.0556	0.186	57.5	06/24/2019 02:26	WG1300661
Dichlorofluoromethane	U		0.0634	0.211	57.5	06/24/2019 02:26	WG1300661
1,1-Dichloroethane	U		0.0391	0.131	57.5	06/24/2019 02:26	WG1300661
1,2-Dichloroethane	U		0.0323	0.107	57.5	06/24/2019 02:26	WG1300661
1,1-Dichloroethene	U		0.0340	0.114	57.5	06/24/2019 02:26	WG1300661
cis-1,2-Dichloroethene	U		0.0469	0.156	57.5	06/24/2019 02:26	WG1300661
trans-1,2-Dichloroethene	U		0.0972	0.324	57.5	06/24/2019 02:26	WG1300661
1,2-Dichloropropane	U		0.0863	0.288	57.5	06/24/2019 02:26	WG1300661
1,1-Dichloropropene	U		0.0475	0.158	57.5	06/24/2019 02:26	WG1300661
1,3-Dichloropropane	U	J4	0.119	0.396	57.5	06/24/2019 02:26	WG1300661
cis-1,3-Dichloropropene	U	J4	0.0461	0.154	57.5	06/24/2019 02:26	WG1300661
trans-1,3-Dichloropropene	U		0.104	0.347	57.5	06/24/2019 02:26	WG1300661
2,2-Dichloropropane	U		0.0539	0.179	57.5	06/24/2019 02:26	WG1300661
Di-isopropyl ether	U		0.0238	0.0795	57.5	06/24/2019 02:26	WG1300661
Ethylbenzene	U		0.0361	0.120	57.5	06/24/2019 02:26	WG1300661
Ethyl ether	U		0.0288	0.0965	57.5	06/24/2019 02:26	WG1300661
Hexachloro-1,3-butadiene	U		0.863	2.88	57.5	06/24/2019 02:26	WG1300661
2-Hexanone	U		0.680	2.26	57.5	06/24/2019 02:26	WG1300661
Isopropylbenzene	U		0.0586	0.196	57.5	06/24/2019 02:26	WG1300661
p-Isopropyltoluene	U		0.158	0.528	57.5	06/24/2019 02:26	WG1300661
2-Butanone (MEK)	U		0.850	2.83	57.5	06/24/2019 02:26	WG1300661
Methylene Chloride	U		0.452	1.50	57.5	06/24/2019 02:26	WG1300661
4-Methyl-2-pentanone (MIBK)	U		0.680	2.26	57.5	06/24/2019 02:26	WG1300661
Methyl tert-butyl ether	U		0.0201	0.0668	57.5	06/24/2019 02:26	WG1300661
Naphthalene	U		0.212	0.707	57.5	06/24/2019 02:26	WG1300661

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Collected date/time: 06/14/19 13:10

L1109716

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0801	0.267	57.5	06/24/2019 02:26	WG1300661
Styrene	U		0.186	0.619	57.5	06/24/2019 02:26	WG1300661
1,1,1,2-Tetrachloroethane	U		0.0340	0.114	57.5	06/24/2019 02:26	WG1300661
1,1,2,2-Tetrachloroethane	U		0.0265	0.0884	57.5	06/24/2019 02:26	WG1300661
1,1,2-Trichlorotrifluoroethane	U		0.0459	0.153	57.5	06/24/2019 02:26	WG1300661
Tetrachloroethene	0.535		0.0475	0.158	57.5	06/24/2019 02:26	WG1300661
Tetrahydrofuran	U		0.152	0.510	57.5	06/24/2019 02:26	WG1300661
Toluene	U		0.0850	0.283	57.5	06/24/2019 02:26	WG1300661
1,2,3-Trichlorobenzene	U		0.0424	0.141	57.5	06/24/2019 02:26	WG1300661
1,2,4-Trichlorobenzene	U		0.327	1.09	57.5	06/24/2019 02:26	WG1300661
1,1,1-Trichloroethane	U		0.0187	0.0623	57.5	06/24/2019 02:26	WG1300661
1,1,2-Trichloroethane	U		0.0600	0.200	57.5	06/24/2019 02:26	WG1300661
Trichloroethene	U		0.0272	0.0904	57.5	06/24/2019 02:26	WG1300661
Trichlorofluoromethane	U		0.0340	0.114	57.5	06/24/2019 02:26	WG1300661
1,2,3-Trichloropropane	U		0.346	1.16	57.5	06/24/2019 02:26	WG1300661
1,2,4-Trimethylbenzene	U		0.0788	0.263	57.5	06/24/2019 02:26	WG1300661
1,2,3-Trimethylbenzene	U		0.0781	0.260	57.5	06/24/2019 02:26	WG1300661
1,3,5-Trimethylbenzene	U		0.0734	0.245	57.5	06/24/2019 02:26	WG1300661
Vinyl chloride	U	<u>J3</u>	0.0465	0.155	57.5	06/24/2019 02:26	WG1300661
Xylenes, Total	U		0.325	0.442	57.5	06/24/2019 02:26	WG1300661
(S) Toluene-d8	105			75.0-131		06/24/2019 02:26	WG1300661
(S) 4-Bromofluorobenzene	99.8			67.0-138		06/24/2019 02:26	WG1300661
(S) 1,2-Dichloroethane-d4	106			70.0-130		06/24/2019 02:26	WG1300661

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.00414	0.0138	1	06/22/2019 11:07	WG1299398
PCB 1221	U		0.00635	0.0212	1	06/22/2019 11:07	WG1299398
PCB 1232	U		0.00493	0.0164	1	06/22/2019 11:07	WG1299398
PCB 1242	U		0.00376	0.0125	1	06/22/2019 11:07	WG1299398
PCB 1248	U		0.00372	0.0124	1	06/22/2019 11:07	WG1299398
PCB 1254	0.144		0.00558	0.0186	1	06/22/2019 11:07	WG1299398
PCB 1260	U		0.00584	0.0195	1	06/22/2019 11:07	WG1299398
(S) Decachlorobiphenyl	92.3			10.0-135		06/22/2019 11:07	WG1299398
(S) Tetrachloro-m-xylene	95.2			10.0-139		06/22/2019 11:07	WG1299398



Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		6/22/2019 10:54:58 AM	WG1300361
TCLP ZHE Extraction	-		6/22/2019 12:31:48 PM	WG1300395
Fluid	2		6/22/2019 10:54:58 AM	WG1300361
Initial pH	8.95		6/22/2019 10:54:58 AM	WG1300361
Final pH	5.50		6/22/2019 10:54:58 AM	WG1300361

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 9012 B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Reactive Cyanide	ND		0.130	1	06/25/2019 16:07	WG1301407

Wet Chemistry by Method 9034-9030B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Reactive Sulfide	213		25.4	1	06/24/2019 14:37	WG1300880

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	9.19	<u>T8</u>	1	06/17/2019 12:26	WG1297013

Sample Narrative:

L1109716-02 WG1297013: 9.19 at 21.2C

Wet Chemistry by Method 9095B

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Paint Filter Test	See Footnote		1	06/24/2019 15:36	WG1299651

Sample Narrative:

L1109716-02 WG1299651: Contains No Free Liquid

Wet Chemistry by Method D93/1010A

Analyte	Result Deg. F	Qualifier	Dilution	Analysis date / time	Batch
Ignitability	DNI at 170		1	06/24/2019 15:00	WG1299650

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	06/24/2019 14:21	WG1300673

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	06/24/2019 10:58	WG1300828
Barium	0.478		0.100	100	1	06/24/2019 10:58	WG1300828
Cadmium	ND		0.100	1	1	06/24/2019 10:58	WG1300828
Chromium	ND		0.100	5	1	06/24/2019 10:58	WG1300828
Lead	ND		0.100	5	1	06/24/2019 10:58	WG1300828
Selenium	ND		0.100	1	1	06/24/2019 10:58	WG1300828
Silver	ND		0.100	5	1	06/24/2019 10:58	WG1300828



Collected date/time: 06/14/19 13:10

L1109716

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	ND		0.0500	0.50	1	06/23/2019 18:52	WG1300635
Carbon tetrachloride	ND		0.0500	0.50	1	06/23/2019 18:52	WG1300635
Chlorobenzene	ND		0.0500	100	1	06/23/2019 18:52	WG1300635
Chloroform	ND		0.250	6	1	06/23/2019 18:52	WG1300635
1,2-Dichloroethane	ND		0.0500	0.50	1	06/23/2019 18:52	WG1300635
1,1-Dichloroethene	ND		0.0500	0.70	1	06/23/2019 18:52	WG1300635
2-Butanone (MEK)	ND		0.500	200	1	06/23/2019 18:52	WG1300635
Tetrachloroethene	ND		0.0500	0.70	1	06/23/2019 18:52	WG1300635
Trichloroethene	ND		0.0500	0.50	1	06/23/2019 18:52	WG1300635
Vinyl chloride	ND		0.0500	0.20	1	06/23/2019 18:52	WG1300635
(S) Toluene-d8	98.2		80.0-120			06/23/2019 18:52	WG1300635
(S) 4-Bromofluorobenzene	103		77.0-126			06/23/2019 18:52	WG1300635
(S) 1,2-Dichloroethane-d4	127		70.0-130			06/23/2019 18:52	WG1300635

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,4-Dichlorobenzene	ND		0.100	7.50	1	06/26/2019 14:11	WG1301758
2,4-Dinitrotoluene	ND		0.100	0.13	1	06/26/2019 14:11	WG1301758
Hexachlorobenzene	ND		0.100	0.13	1	06/26/2019 14:11	WG1301758
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	06/26/2019 14:11	WG1301758
Hexachloroethane	ND		0.100	3	1	06/26/2019 14:11	WG1301758
Nitrobenzene	ND		0.100	2	1	06/26/2019 14:11	WG1301758
Pyridine	ND		0.100	5	1	06/26/2019 14:11	WG1301758
3&4-Methyl Phenol	ND		0.100	400	1	06/26/2019 14:11	WG1301758
2-Methylphenol	ND		0.100	200	1	06/26/2019 14:11	WG1301758
Pentachlorophenol	ND		0.100	100	1	06/26/2019 14:11	WG1301758
2,4,5-Trichlorophenol	ND		0.100	400	1	06/26/2019 14:11	WG1301758
2,4,6-Trichlorophenol	ND		0.100	2	1	06/26/2019 14:11	WG1301758
(S) 2-Fluorophenol	48.3		10.0-120			06/26/2019 14:11	WG1301758
(S) Phenol-d5	29.7		10.0-120			06/26/2019 14:11	WG1301758
(S) Nitrobenzene-d5	65.0		10.0-127			06/26/2019 14:11	WG1301758
(S) 2-Fluorobiphenyl	67.5		10.0-130			06/26/2019 14:11	WG1301758
(S) 2,4,6-Tribromophenol	65.0		10.0-155			06/26/2019 14:11	WG1301758
(S) p-Terphenyl-d14	74.6		10.0-128			06/26/2019 14:11	WG1301758



Method Blank (MB)

(MB) R3423433-1 06/20/19 10:53

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

L1109718-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1109718-06 06/20/19 10:53 • (DUP) R3423433-3 06/20/19 10:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	84.7	84.3	1	0.490		10

⁶ Qc

Laboratory Control Sample (LCS)

(LCS) R3423433-2 06/20/19 10:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.1	100	85.0-115	

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3424568-1 06/25/19 15:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Reactive Cyanide	U		0.0390	0.130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1108971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1108971-01 06/25/19 15:42 • (DUP) R3424568-3 06/25/19 15:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Reactive Cyanide	ND	0.000	1	0.000		20

L1109259-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1109259-06 06/25/19 16:01 • (DUP) R3424568-8 06/25/19 16:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Reactive Cyanide	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3424568-2 06/25/19 15:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Reactive Cyanide	2.50	2.42	96.9	50.0-150	

L1109245-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1109245-02 06/25/19 15:46 • (MS) R3424568-4 06/25/19 15:49 • (MSD) R3424568-5 06/25/19 15:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Reactive Cyanide	1.67	ND	1.01	0.945	57.0	53.1	1	75.0-125	J6	J6	6.51	20

L1109259-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1109259-04 06/25/19 15:56 • (MS) R3424568-6 06/25/19 15:57 • (MSD) R3424568-7 06/25/19 15:58

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Reactive Cyanide	1.67	ND	1.37	1.49	79.7	86.9	1	75.0-125			8.44	20



Method Blank (MB)

(MB) R3424073-1 06/24/19 14:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Reactive Sulfide	U		7.63	25.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L1109251-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1109251-02 06/24/19 14:37 • (DUP) R3424073-3 06/24/19 14:37

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Reactive Sulfide	182	176	1	3.39		20

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3424073-2 06/24/19 14:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Reactive Sulfide	100	85.0	85.0	70.0-130	



L1109503-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1109503-01 06/17/19 12:26 • (DUP) R3421664-2 06/17/19 12:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.82	7.84	1	0.255		1

Sample Narrative:

OS: 7.82 at 21.8C
 DUP: 7.84 at 21.8C

L1109716-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1109716-02 06/17/19 12:26 • (DUP) R3421664-3 06/17/19 12:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	9.19	9.17	1	0.218		1

Sample Narrative:

OS: 9.19 at 21.2C
 DUP: 9.17 at 21.2C

Laboratory Control Sample (LCS)

(LCS) R3421664-1 06/17/19 12:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.96	99.6	99.0-101	

Sample Narrative:

LCS: 9.96 at 21.1C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L1109144-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1109144-02 06/24/19 15:36 • (DUP) R3424108-1 06/24/19 15:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Paint Filter Test	See Footnote	See Footnote	1	0.000		20

Sample Narrative:

OS: Contains No Free Liquid

DUP: Contains No Free Liquid

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



L1108996-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1108996-02 06/24/19 15:00 • (DUP) R3424095-2 06/24/19 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	Deg. F	Deg. F		%		%
Ignitability	DNI at 170	DNI at 170	1	0.000		10

¹ Cp

² Tc

³ Ss

L1110559-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1110559-02 06/24/19 15:00 • (DUP) R3424095-3 06/24/19 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	Deg. F	Deg. F		%		%
Ignitability	80.9	72.9	1	10.4	<u>J3</u>	10

⁴ Cn

⁵ Sr

⁶ Qc

L1110681-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1110681-02 06/24/19 15:00 • (DUP) R3424095-4 06/24/19 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	Deg. F	Deg. F		%		%
Ignitability	DNI at 170	DNI at 170	1	0.000		10

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3424095-1 06/24/19 15:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	Deg. F	Deg. F	%	%	
Ignitability	82.0	82.9	101	96.0-104	



Method Blank (MB)

(MB) R3424100-1 06/24/19 13:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.00330	0.0100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3424100-2 06/24/19 14:07 • (LCSD) R3424100-3 06/24/19 14:09

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Mercury	0.0300	0.0309	0.0300	103	99.9	80.0-120			3.04	20

L1109651-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1109651-02 06/24/19 14:12 • (MS) R3424100-4 06/24/19 14:14 • (MSD) R3424100-5 06/24/19 14:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.0300	ND	0.0303	0.0314	101	105	1	75.0-125			3.45	20

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3424023-1 06/24/19 10:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0330	0.100
Barium	U		0.0330	0.100
Cadmium	U		0.0330	0.100
Chromium	U		0.0330	0.100
Lead	U		0.0330	0.100
Selenium	U		0.0330	0.100
Silver	U		0.0330	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3424023-2 06/24/19 10:54 • (LCSD) R3424023-3 06/24/19 10:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	9.46	9.54	94.6	95.4	80.0-120			0.830	20
Barium	10.0	9.88	9.86	98.8	98.6	80.0-120			0.216	20
Cadmium	10.0	9.39	9.44	93.9	94.4	80.0-120			0.532	20
Chromium	10.0	9.55	9.65	95.5	96.5	80.0-120			1.09	20
Lead	10.0	9.75	9.77	97.5	97.7	80.0-120			0.235	20
Selenium	10.0	9.66	9.65	96.6	96.5	80.0-120			0.0683	20
Silver	2.00	1.83	1.82	91.3	91.2	80.0-120			0.180	20

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1109716-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1109716-02 06/24/19 10:58 • (MS) R3424023-5 06/24/19 11:03 • (MSD) R3424023-6 06/24/19 11:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	9.42	9.46	94.2	94.6	1	75.0-125			0.374	20
Barium	10.0	0.478	10.1	10.1	96.3	95.7	1	75.0-125			0.594	20
Cadmium	10.0	ND	9.35	9.38	93.5	93.8	1	75.0-125			0.317	20
Chromium	10.0	ND	9.31	9.34	93.1	93.4	1	75.0-125			0.393	20
Lead	10.0	ND	9.60	9.60	96.0	96.0	1	75.0-125			0.0317	20
Selenium	10.0	ND	9.59	9.51	95.9	95.1	1	75.0-125			0.881	20
Silver	2.00	ND	1.80	1.83	90.2	91.6	1	75.0-125			1.60	20



Method Blank (MB)

(MB) R3423949-2 06/23/19 16:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0165	0.0500
Carbon tetrachloride	U		0.0165	0.0500
Chlorobenzene	U		0.0165	0.0500
Chloroform	U		0.0825	0.250
1,2-Dichloroethane	U		0.0165	0.0500
1,1-Dichloroethene	U		0.0165	0.0500
2-Butanone (MEK)	U		0.165	0.500
Tetrachloroethene	U		0.0165	0.0500
Trichloroethene	U		0.0165	0.0500
Vinyl chloride	U		0.0165	0.0500
(S) Toluene-d8	99.9			80.0-120
(S) 4-Bromofluorobenzene	98.6			77.0-126
(S) 1,2-Dichloroethane-d4	125			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3423949-1 06/23/19 11:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0236	94.4	70.0-123	
Carbon tetrachloride	0.0250	0.0269	108	68.0-126	
Chlorobenzene	0.0250	0.0221	88.3	80.0-121	
Chloroform	0.0250	0.0271	109	73.0-120	
1,2-Dichloroethane	0.0250	0.0293	117	70.0-128	
1,1-Dichloroethene	0.0250	0.0190	75.8	71.0-124	
2-Butanone (MEK)	0.125	0.121	96.9	44.0-160	
Tetrachloroethene	0.0250	0.0278	111	72.0-132	
Trichloroethene	0.0250	0.0290	116	78.0-124	
Vinyl chloride	0.0250	0.0250	100	67.0-131	
(S) Toluene-d8			91.1	80.0-120	
(S) 4-Bromofluorobenzene			96.9	77.0-126	
(S) 1,2-Dichloroethane-d4			124	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L1109649-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1109649-04 06/23/19 18:12 • (MS) R3423949-3 06/23/19 20:13 • (MSD) R3423949-4 06/23/19 20:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	1.25	ND	1.26	1.24	101	99.0	1	17.0-158			2.01	27
Carbon tetrachloride	1.25	ND	1.81	1.73	145	138	1	23.0-159			4.84	28
Chlorobenzene	1.25	ND	1.11	1.11	89.2	88.9	1	33.0-152			0.329	27
Chloroform	1.25	ND	1.54	1.48	123	119	1	29.0-154			4.10	28
1,2-Dichloroethane	1.25	0.00178	1.58	1.54	126	123	1	29.0-151			2.52	27
1,1-Dichloroethene	1.25	ND	1.33	1.33	106	107	1	11.0-160			0.651	29
2-Butanone (MEK)	6.25	ND	6.47	6.15	103	98.3	1	10.0-160			5.06	32
Tetrachloroethene	1.25	ND	1.44	1.41	115	113	1	10.0-160			1.94	27
Trichloroethene	1.25	ND	1.54	1.45	123	116	1	10.0-160			5.68	25
Vinyl chloride	1.25	ND	1.39	1.40	111	112	1	10.0-160			0.731	27
(S) Toluene-d8					91.2	90.6		80.0-120				
(S) 4-Bromofluorobenzene					94.0	96.5		77.0-126				
(S) 1,2-Dichloroethane-d4					132	127		70.0-130	J1			

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3424021-3 06/23/19 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.343	1.14
Acrylonitrile	U		0.0475	0.158
Benzene	U		0.0100	0.0333
Bromobenzene	U		0.0263	0.0875
Bromodichloromethane	U		0.0197	0.0657
Bromoform	U		0.150	0.498
Bromomethane	U		0.0925	0.308
n-Butylbenzene	U		0.0960	0.320
sec-Butylbenzene	U		0.0633	0.211
tert-Butylbenzene	U		0.0388	0.129
Carbon tetrachloride	U		0.0270	0.0900
Chlorobenzene	U		0.0143	0.0478
Chlorodibromomethane	U		0.0113	0.0375
Chloroethane	U		0.0270	0.0900
Chloroform	U		0.0104	0.0346
Chloromethane	U		0.0348	0.116
2-Chlorotoluene	U		0.0230	0.0767
4-Chlorotoluene	U		0.0283	0.0942
1,2-Dibromo-3-Chloropropane	U		0.128	0.425
1,2-Dibromoethane	U		0.0131	0.0438
Dibromomethane	U		0.0250	0.0833
1,2-Dichlorobenzene	U		0.0363	0.121
1,3-Dichlorobenzene	U		0.0425	0.142
1,4-Dichlorobenzene	U		0.0493	0.164
Dichlorodifluoromethane	U		0.0205	0.0682
Dichlorofluoromethane	U		0.0233	0.0778
1,1-Dichloroethane	U		0.0144	0.0479
1,2-Dichloroethane	U		0.0119	0.0396
1,1-Dichloroethene	U		0.0125	0.0417
cis-1,2-Dichloroethene	U		0.0173	0.0575
trans-1,2-Dichloroethene	U		0.0358	0.119
1,2-Dichloropropane	U		0.0318	0.106
1,1-Dichloropropene	U		0.0175	0.0583
1,3-Dichloropropane	U		0.0438	0.146
cis-1,3-Dichloropropene	U		0.0170	0.0565
trans-1,3-Dichloropropene	U		0.0383	0.128
2,2-Dichloropropane	U		0.0198	0.0661
Di-isopropyl ether	U		0.00875	0.0292
Ethylbenzene	U		0.0133	0.0442
Ethyl ether	U		0.0106	0.0354

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3424021-3 06/23/19 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.318	1.06
2-Hexanone	U		0.250	0.833
Isopropylbenzene	U		0.0216	0.0719
p-Isopropyltoluene	U		0.0583	0.194
2-Butanone (MEK)	U		0.313	1.04
Methylene Chloride	U		0.166	0.553
4-Methyl-2-pentanone (MIBK)	U		0.250	0.833
Methyl tert-butyl ether	U		0.00738	0.0246
Naphthalene	U		0.0780	0.260
n-Propylbenzene	U		0.0295	0.0983
Styrene	U		0.0683	0.228
1,1,1,2-Tetrachloroethane	U		0.0125	0.0417
1,1,2,2-Tetrachloroethane	U		0.00975	0.0325
Tetrachloroethene	U		0.0175	0.0583
Tetrahydrofuran	U		0.0563	0.188
Toluene	U		0.0313	0.104
1,1,2-Trichlorotrifluoroethane	U		0.0169	0.0563
1,2,3-Trichlorobenzene	U		0.0156	0.0521
1,2,4-Trichlorobenzene	U		0.121	0.402
1,1,1-Trichloroethane	U		0.00688	0.0229
1,1,2-Trichloroethane	U		0.0221	0.0736
Trichloroethene	U		0.0100	0.0333
Trichlorofluoromethane	U		0.0125	0.0417
1,2,3-Trichloropropane	U		0.128	0.425
1,2,3-Trimethylbenzene	U		0.0288	0.0958
1,2,4-Trimethylbenzene	U		0.0290	0.0967
1,3,5-Trimethylbenzene	U		0.0270	0.0900
Vinyl chloride	U		0.0171	0.0569
Xylenes, Total	U		0.120	0.398
Allyl Chloride	U		0.363	1.21
(S) Toluene-d8	100			75.0-131
(S) 4-Bromofluorobenzene	95.9			67.0-138
(S) 1,2-Dichloroethane-d4	107			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3424021-1 06/23/19 21:26 • (LCSD) R3424021-2 06/23/19 21:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.870	0.866	139	139	10.0-160			0.457	31
Acrylonitrile	0.625	0.662	0.645	106	103	45.0-153			2.60	22
Benzene	0.125	0.132	0.128	106	102	70.0-123			3.31	20
Bromobenzene	0.125	0.128	0.122	102	97.3	73.0-121			5.18	20
Bromodichloromethane	0.125	0.132	0.125	106	100	73.0-121			5.71	20
Bromoform	0.125	0.102	0.110	81.5	87.6	64.0-132			7.21	20
Bromomethane	0.125	0.109	0.107	87.4	85.9	56.0-147			1.74	20
n-Butylbenzene	0.125	0.107	0.0997	86.0	79.8	68.0-135			7.48	20
sec-Butylbenzene	0.125	0.104	0.102	83.4	81.6	74.0-130			2.08	20
tert-Butylbenzene	0.125	0.103	0.0972	82.6	77.8	75.0-127			6.01	20
Carbon tetrachloride	0.125	0.134	0.130	107	104	66.0-128			3.26	20
Chlorobenzene	0.125	0.105	0.106	84.3	84.9	76.0-128			0.689	20
Chlorodibromomethane	0.125	0.119	0.125	95.4	100	74.0-127			4.72	20
Chloroethane	0.125	0.112	0.112	89.7	89.7	61.0-134			0.0517	20
Chloroform	0.125	0.116	0.113	92.7	90.5	72.0-123			2.38	20
Chloromethane	0.125	0.113	0.111	90.4	89.1	51.0-138			1.44	20
2-Chlorotoluene	0.125	0.116	0.109	92.9	87.3	75.0-124			6.21	20
4-Chlorotoluene	0.125	0.112	0.111	89.9	88.8	75.0-124			1.24	20
1,2-Dibromo-3-Chloropropane	0.125	0.114	0.111	91.6	88.8	59.0-130			3.06	20
1,2-Dibromoethane	0.125	0.111	0.113	88.7	90.8	74.0-128			2.27	20
Dibromomethane	0.125	0.104	0.109	83.4	86.8	75.0-122			4.02	20
1,2-Dichlorobenzene	0.125	0.128	0.126	103	101	76.0-124			1.67	20
1,3-Dichlorobenzene	0.125	0.111	0.108	89.1	86.4	76.0-125			3.00	20
1,4-Dichlorobenzene	0.125	0.0934	0.0923	74.8	73.8	77.0-121	J4	J4	1.28	20
Dichlorodifluoromethane	0.125	0.162	0.160	129	128	43.0-156			1.01	20
Dichlorofluoromethane	0.125	0.128	0.121	103	96.6	65.0-137			6.05	20
1,1-Dichloroethane	0.125	0.117	0.114	93.3	91.1	70.0-127			2.37	20
1,2-Dichloroethane	0.125	0.155	0.156	124	125	65.0-131			0.661	20
1,1-Dichloroethene	0.125	0.134	0.132	108	106	65.0-131			1.41	20
cis-1,2-Dichloroethene	0.125	0.104	0.104	83.3	83.5	73.0-125			0.244	20
trans-1,2-Dichloroethene	0.125	0.116	0.107	92.7	85.3	71.0-125			8.39	20
1,2-Dichloropropane	0.125	0.111	0.111	88.8	88.9	74.0-125			0.0810	20
1,1-Dichloropropene	0.125	0.112	0.110	89.3	88.0	73.0-125			1.42	20
1,3-Dichloropropane	0.125	0.0976	0.102	78.1	81.4	80.0-125	J4		4.15	20
cis-1,3-Dichloropropene	0.125	0.0952	0.0929	76.1	74.3	76.0-127		J4	2.45	20
trans-1,3-Dichloropropene	0.125	0.104	0.110	83.5	87.7	73.0-127			4.97	20
2,2-Dichloropropane	0.125	0.161	0.158	128	126	59.0-135			1.55	20
Di-isopropyl ether	0.125	0.114	0.115	91.0	92.1	60.0-136			1.22	20
Ethylbenzene	0.125	0.143	0.130	115	104	74.0-126			9.93	20
Ethyl ether	0.125	0.118	0.117	94.6	93.4	64.0-137			1.21	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3424021-1 06/23/19 21:26 • (LCSD) R3424021-2 06/23/19 21:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.145	0.142	116	113	57.0-150			2.34	20
2-Hexanone	0.625	0.773	0.795	124	127	54.0-147			2.81	20
Isopropylbenzene	0.125	0.107	0.107	85.4	85.4	72.0-127			0.0890	20
p-Isopropyltoluene	0.125	0.106	0.103	85.1	82.4	72.0-133			3.20	20
2-Butanone (MEK)	0.625	0.861	0.822	138	131	30.0-160			4.73	24
Methylene Chloride	0.125	0.104	0.102	83.2	81.6	68.0-123			1.94	20
4-Methyl-2-pentanone (MIBK)	0.625	0.597	0.610	95.5	97.5	56.0-143			2.07	20
Methyl tert-butyl ether	0.125	0.113	0.113	90.3	90.4	66.0-132			0.0575	20
Naphthalene	0.125	0.137	0.124	110	99.0	59.0-130			10.3	20
n-Propylbenzene	0.125	0.104	0.0977	83.6	78.1	74.0-126			6.72	20
Styrene	0.125	0.110	0.112	88.1	89.3	72.0-127			1.43	20
1,1,1,2-Tetrachloroethane	0.125	0.128	0.136	102	109	74.0-129			5.91	20
1,1,2,2-Tetrachloroethane	0.125	0.0909	0.0906	72.8	72.5	68.0-128			0.333	20
Tetrachloroethene	0.125	0.0975	0.0979	78.0	78.3	70.0-136			0.440	20
Tetrahydrofuran	0.125	0.146	0.139	116	111	37.0-146			4.93	24
Toluene	0.125	0.100	0.0951	80.0	76.1	75.0-121			5.00	20
1,1,2-Trichlorotrifluoroethane	0.125	0.166	0.158	133	127	61.0-139			4.58	20
1,2,3-Trichlorobenzene	0.125	0.149	0.127	119	102	59.0-139			15.6	20
1,2,4-Trichlorobenzene	0.125	0.156	0.138	125	110	62.0-137			12.6	20
1,1,1-Trichloroethane	0.125	0.116	0.109	92.6	86.9	69.0-126			6.34	20
1,1,2-Trichloroethane	0.125	0.105	0.107	84.3	85.5	78.0-123			1.36	20
Trichloroethene	0.125	0.130	0.128	104	102	76.0-126			1.42	20
Trichlorofluoromethane	0.125	0.164	0.156	131	125	61.0-142			5.16	20
1,2,3-Trichloropropane	0.125	0.126	0.129	101	103	67.0-129			1.81	20
1,2,3-Trimethylbenzene	0.125	0.106	0.111	84.8	88.8	74.0-124			4.56	20
1,2,4-Trimethylbenzene	0.125	0.117	0.115	93.3	91.6	70.0-126			1.75	20
1,3,5-Trimethylbenzene	0.125	0.103	0.0998	82.6	79.9	73.0-127			3.34	20
Vinyl chloride	0.125	0.164	0.127	131	102	63.0-134		<u>J3</u>	25.2	20
Xylenes, Total	0.375	0.344	0.334	91.7	89.1	72.0-127			2.95	20
Allyl chloride	0.625	0.540	0.554	86.4	88.6	70.0-131			2.52	20
(S) Toluene-d8				98.7	98.2	75.0-131				
(S) 4-Bromofluorobenzene				102	107	67.0-138				
(S) 1,2-Dichloroethane-d4				116	117	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L1110834-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1110834-02 06/24/19 05:30 • (MS) R3424021-4 06/24/19 08:12 • (MSD) R3424021-5 06/24/19 08:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.705	U	1.60	1.66	113	118	2	10.0-160			3.97	40
Acrylonitrile	0.705	U	1.24	1.51	88.2	107	2	10.0-160			19.4	40
Benzene	0.141	U	0.311	0.306	110	108	2	10.0-149			1.77	37
Bromobenzene	0.141	U	0.288	0.311	102	110	2	10.0-156			7.69	38
Bromodichloromethane	0.141	U	0.287	0.315	102	112	2	10.0-143			9.44	37
Bromoform	0.141	U	0.210	0.241	74.5	85.5	2	10.0-146			13.8	36
Bromomethane	0.141	U	0.258	0.266	91.7	94.3	2	10.0-149			2.82	38
n-Butylbenzene	0.141	U	0.242	0.274	85.9	97.3	2	10.0-160			12.5	40
sec-Butylbenzene	0.141	U	0.256	0.278	90.8	98.6	2	10.0-159			8.22	39
tert-Butylbenzene	0.141	U	0.293	0.266	104	94.5	2	10.0-156			9.56	39
Carbon tetrachloride	0.141	U	0.318	0.304	113	108	2	10.0-145			4.36	37
Chlorobenzene	0.141	U	0.249	0.258	88.3	91.5	2	10.0-152			3.63	39
Chlorodibromomethane	0.141	U	0.262	0.285	93.1	101	2	10.0-146			8.18	37
Chloroethane	0.141	U	ND	ND	0.000	0.000	2	10.0-146	J6	J6	0.000	40
Chloroform	0.141	U	0.257	0.263	91.2	93.2	2	10.0-146			2.20	37
Chloromethane	0.141	U	0.251	0.244	89.1	86.6	2	10.0-159			2.88	37
2-Chlorotoluene	0.141	U	0.271	0.284	96.1	101	2	10.0-159			4.84	38
4-Chlorotoluene	0.141	U	0.273	0.216	96.8	76.6	2	10.0-155			23.3	39
1,2-Dibromo-3-Chloropropane	0.141	U	0.208	0.280	73.8	99.3	2	10.0-151			29.5	39
1,2-Dibromoethane	0.141	U	0.249	0.261	88.4	92.5	2	10.0-148			4.44	34
Dibromomethane	0.141	U	0.231	0.251	81.9	89.1	2	10.0-147			8.41	35
1,2-Dichlorobenzene	0.141	U	0.285	0.312	101	111	2	10.0-155			9.00	37
1,3-Dichlorobenzene	0.141	U	0.261	0.287	92.8	102	2	10.0-153			9.36	38
1,4-Dichlorobenzene	0.141	U	0.222	0.227	78.6	80.4	2	10.0-151			2.19	38
Dichlorodifluoromethane	0.141	U	0.427	0.432	151	153	2	10.0-160			1.12	35
Dichlorofluoromethane	0.141	U	0.286	0.290	102	103	2	10.0-160			1.44	34
1,1-Dichloroethane	0.141	U	0.264	0.269	93.5	95.5	2	10.0-147			2.12	37
1,2-Dichloroethane	0.141	U	0.315	0.340	112	121	2	10.0-148			7.55	35
1,1-Dichloroethene	0.141	U	0.314	0.331	111	117	2	10.0-155			5.11	37
cis-1,2-Dichloroethene	0.141	U	0.239	0.255	84.6	90.6	2	10.0-149			6.77	37
trans-1,2-Dichloroethene	0.141	U	0.271	0.277	96.2	98.4	2	10.0-150			2.19	37
1,2-Dichloropropane	0.141	U	0.256	0.275	90.8	97.5	2	10.0-148			7.06	37
1,1-Dichloropropene	0.141	U	0.271	0.281	96.0	99.8	2	10.0-153			3.84	35
1,3-Dichloropropane	0.141	U	0.219	0.256	77.8	90.9	2	10.0-154			15.5	35
cis-1,3-Dichloropropene	0.141	U	0.219	0.235	77.7	83.5	2	10.0-151			7.25	37
trans-1,3-Dichloropropene	0.141	U	0.244	0.262	86.7	93.0	2	10.0-148			6.95	37
2,2-Dichloropropane	0.141	U	0.298	0.305	106	108	2	10.0-138			2.22	36
Di-isopropyl ether	0.141	U	0.242	0.263	85.8	93.2	2	10.0-147			8.24	36
Ethylbenzene	0.141	U	0.336	0.348	119	124	2	10.0-160			3.50	38

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



L1110834-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1110834-02 06/24/19 05:30 • (MS) R3424021-4 06/24/19 08:12 • (MSD) R3424021-5 06/24/19 08:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethyl ether	0.141	U	0.244	0.272	86.6	96.6	2	10.0-160			10.9	31
Hexachloro-1,3-butadiene	0.141	U	0.305	0.410	108	145	2	10.0-160			29.3	40
2-Hexanone	0.705	U	1.64	1.84	116	131	2	10.0-160			11.4	36
Isopropylbenzene	0.141	U	0.251	0.264	88.9	93.8	2	10.0-155			5.34	38
p-Isopropyltoluene	0.141	U	0.264	0.272	93.5	96.6	2	10.0-160			3.20	40
2-Butanone (MEK)	0.705	U	1.75	2.13	124	151	2	10.0-160			19.5	40
Methylene Chloride	0.141	U	0.229	0.242	81.1	85.9	2	10.0-141			5.75	37
4-Methyl-2-pentanone (MIBK)	0.705	U	1.24	1.42	87.9	101	2	10.0-160			13.4	35
Methyl tert-butyl ether	0.141	U	0.238	0.241	84.3	85.7	2	11.0-147			1.65	35
Naphthalene	0.141	U	0.246	0.339	87.4	120	2	10.0-160			31.8	36
n-Propylbenzene	0.141	U	0.253	0.252	89.9	89.5	2	10.0-158			0.439	38
Styrene	0.141	U	0.244	0.263	86.5	93.4	2	10.0-160			7.73	40
1,1,1,2-Tetrachloroethane	0.141	U	0.277	0.310	98.2	110	2	10.0-149			11.3	39
1,1,2,2-Tetrachloroethane	0.141	U	0.211	0.219	75.0	77.8	2	10.0-160			3.67	35
Tetrachloroethene	0.141	U	0.229	0.246	81.3	87.2	2	10.0-156			7.05	39
Tetrahydrofuran	0.141	U	0.269	0.477	95.6	169	2	10.0-158		J3 J5	55.7	33
Toluene	0.141	U	0.236	0.246	83.8	87.4	2	10.0-156			4.22	38
1,1,2-Trichlorotrifluoroethane	0.141	U	0.421	0.432	149	153	2	10.0-160			2.60	36
1,2,3-Trichlorobenzene	0.141	U	0.263	0.359	93.1	127	2	10.0-160			31.1	40
1,2,4-Trichlorobenzene	0.141	U	0.281	0.391	99.7	139	2	10.0-160			32.8	40
1,1,1-Trichloroethane	0.141	U	0.264	0.263	93.5	93.4	2	10.0-144			0.139	35
1,1,2-Trichloroethane	0.141	U	0.239	0.273	84.8	96.8	2	10.0-160			13.2	35
Trichloroethene	0.141	U	0.323	0.309	115	109	2	10.0-156			4.49	38
Trichlorofluoromethane	0.141	U	0.392	ND	139	0.000	2	10.0-160		J3 J6	200	40
1,2,3-Trichloropropane	0.141	U	0.289	0.292	103	103	2	10.0-156			0.848	35
1,2,3-Trimethylbenzene	0.141	U	0.258	0.267	91.5	94.9	2	10.0-160			3.68	36
1,2,4-Trimethylbenzene	0.141	U	0.280	0.291	99.2	103	2	10.0-160			3.92	36
1,3,5-Trimethylbenzene	0.141	U	0.248	0.255	87.9	90.6	2	10.0-160			3.00	38
Vinyl chloride	0.141	U	0.393	0.473	140	168	2	10.0-160		J5	18.5	37
Xylenes, Total	0.423	U	0.786	0.840	92.9	99.3	2	10.0-160			6.66	38
Allyl chloride	0.705	U	1.26	1.30	89.5	92.0	2	10.0-160			2.78	30
(S) Toluene-d8					101	102		75.0-131				
(S) 4-Bromofluorobenzene					100	105		67.0-138				
(S) 1,2-Dichloroethane-d4					109	109		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3423682-1 06/22/19 10:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
PCB 1016	U		0.00350	0.0117
PCB 1221	U		0.00537	0.0179
PCB 1232	U		0.00417	0.0139
PCB 1242	U		0.00318	0.0106
PCB 1248	U		0.00315	0.0105
PCB 1254	U		0.00472	0.0157
PCB 1260	U		0.00494	0.0165
(S) Decachlorobiphenyl	101			10.0-135
(S) Tetrachloro-m-xylene	102			10.0-139

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3423682-2 06/22/19 10:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
PCB 1260	0.167	0.133	79.6	37.0-145	
PCB 1016	0.167	0.126	75.4	36.0-141	
(S) Decachlorobiphenyl			98.3	10.0-135	
(S) Tetrachloro-m-xylene			100	10.0-139	

7 Gl

8 Al

9 Sc

L1109648-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1109648-01 06/22/19 12:03 • (MS) R3423682-3 06/22/19 12:17 • (MSD) R3423682-4 06/22/19 12:31

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
PCB 1260	0.167	U	0.136	0.135	81.4	80.8	1	10.0-160			0.738	38
PCB 1016	0.167	U	0.134	0.132	80.2	79.0	1	10.0-160			1.50	37
(S) Decachlorobiphenyl					100	95.9		10.0-135				
(S) Tetrachloro-m-xylene					99.2	97.3		10.0-139				



Method Blank (MB)

(MB) R3424915-2 06/26/19 13:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
1,4-Dichlorobenzene	U		0.0333	0.111
2,4-Dinitrotoluene	U		0.0333	0.111
Hexachlorobenzene	U		0.0333	0.111
Hexachloro-1,3-butadiene	U		0.0333	0.111
Hexachloroethane	U		0.0333	0.111
Nitrobenzene	U		0.0333	0.111
Pyridine	U		0.0333	0.111
2-Methylphenol	U		0.0333	0.111
3&4-Methyl Phenol	U		0.0333	0.111
Pentachlorophenol	U		0.0333	0.111
2,4,5-Trichlorophenol	U		0.0333	0.111
2,4,6-Trichlorophenol	U		0.0333	0.111
(S) Nitrobenzene-d5	74.1			10.0-127
(S) 2-Fluorobiphenyl	78.6			10.0-130
(S) p-Terphenyl-d14	81.4			10.0-128
(S) Phenol-d5	31.4			10.0-120
(S) 2-Fluorophenol	53.0			10.0-120
(S) 2,4,6-Tribromophenol	67.0			10.0-155

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3424915-1 06/26/19 13:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
1,4-Dichlorobenzene	0.500	0.348	69.6	18.0-120	
2,4-Dinitrotoluene	0.500	0.436	87.2	49.0-124	
Hexachlorobenzene	0.500	0.348	69.6	44.0-120	
Hexachloro-1,3-butadiene	0.500	0.290	58.0	19.0-120	
Hexachloroethane	0.500	0.358	71.6	15.0-120	
Nitrobenzene	0.500	0.342	68.4	27.0-120	
Pyridine	0.500	0.213	42.6	10.0-120	
2-Methylphenol	0.500	0.326	65.2	28.0-120	
3&4-Methyl Phenol	0.500	0.337	67.4	31.0-120	
Pentachlorophenol	0.500	0.358	71.6	23.0-120	
2,4,5-Trichlorophenol	0.500	0.400	80.0	44.0-120	
2,4,6-Trichlorophenol	0.500	0.377	75.4	42.0-120	
(S) Nitrobenzene-d5			57.5	10.0-127	
(S) 2-Fluorobiphenyl			73.7	10.0-130	
(S) p-Terphenyl-d14			76.6	10.0-128	



Laboratory Control Sample (LCS)

(LCS) R3424915-1 06/26/19 13:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) Phenol-d5			30.8	10.0-120	
(S) 2-Fluorophenol			48.9	10.0-120	
(S) 2,4,6-Tribromophenol			68.5	10.0-155	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

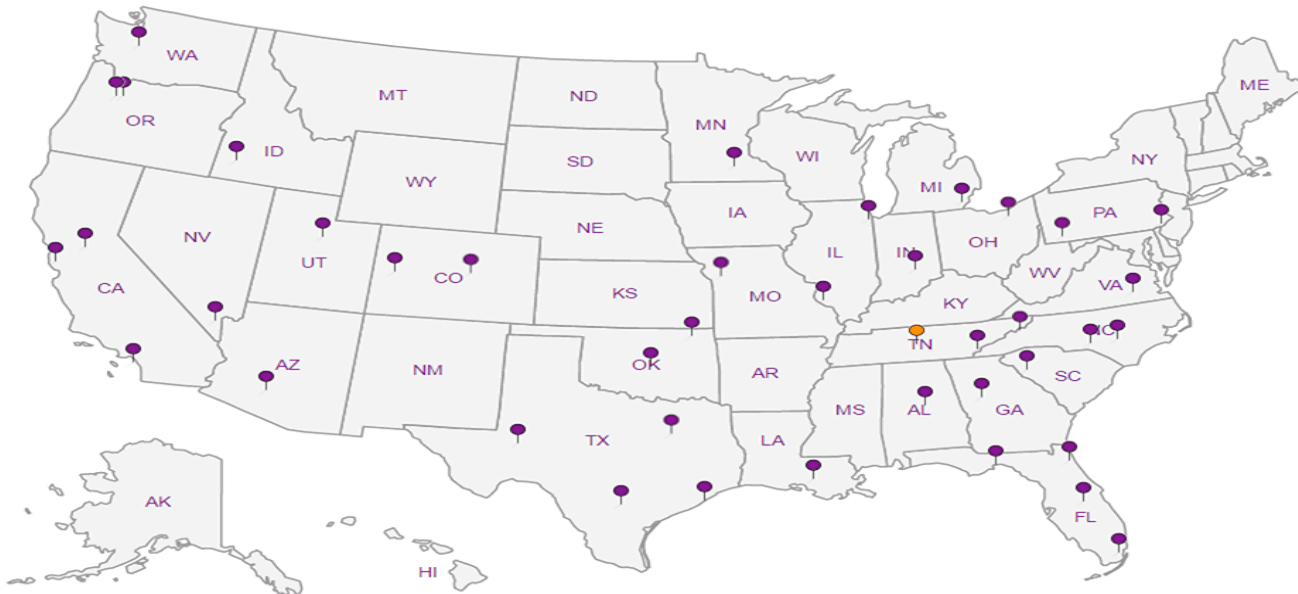
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Chain of Custody

Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: WI
 Cert. Needed: Yes No

www.pacelabs.com

Workorder: 40189571 Workorder Name: 1690005819 ONE-HOUR VALET

Owner Received Date: 6/17/2019 Results Requested By: 6/24/2019


Steven Mieczko
 Pace Analytical Green Bay
 1241 Bellevue Street
 Suite 9
 Green Bay, WI 54302
 Phone (920)469-2436

Report To: Subcontract To Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		PCB	RX CN and RX Sulfide	TCLP 6010 As, Ba, Cd, Cr, Pb, Se, Ag	TCLP Charges	TCLP Hq	TCLP SVOC	TCLP VOC	Total WI VOC by 8260	pH, Dry Weight, F.P. Free Liq, Sp Grav	LAB USE ONLY				
						MeOH	Other														
1	WC-COMP 20190614	PS	6/14/2019 13:10	40189571001	Solid	1	6	X	X	X	X	X	X	X	X	X					
2																					
3																					
4																					
5																					
Comments																					
Transfers		Released By	Date/Time	Received By	Date/Time	Cooler Temperature on Receipt		°C	Custody Seal	Y	or	N	Received on Ice	Y	or	N	Samples Intact	Y	or	N	
1																					
2																					
3																					

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.**
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pace Analytical National Center for Testing & Innovation Cooler Receipt Form

Client:	PACEGBWI	SDG#:	L1109716	
Cooler Received/Opened On:	6/15/19	Temperature:	6.3°C	
Received By:	Jordan Harris			
Signature:				
Receipt Check List		NP	Yes	No
COC Seal Present / Intact?			/	
COC Signed / Accurate?			/	
Bottles arrive intact?			/	
Correct bottles used?			/	
Sufficient volume sent?			/	
If Applicable				
VOA Zero headspace?				
Preservation Correct / Checked?				

June 24, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 ONE HOUR VALET
Pace Project No.: 40189581

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 2019. 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: 1690005819 ONE HOUR VALET

Pace Project No.: 40189581

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189581001	WC-1 20190614	Solid	06/14/19 12:05	06/14/19 16:30
40189581002	WC-2 20190614	Solid	06/14/19 12:15	06/14/19 16:30
40189581003	WC-3 20190614	Solid	06/14/19 12:30	06/14/19 16:30
40189581004	WC-4 20190614	Solid	06/14/19 12:35	06/14/19 16:30
40189581005	WC-5 20190614	Solid	06/14/19 12:45	06/14/19 16:30
40189581006	WC-6 20190614	Solid	06/14/19 12:55	06/14/19 16:30
40189581007	TRIP BLANK	Water	06/14/19 00:00	06/14/19 16:30

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of 1

MN: 612-607-1700 WI: 920-469-2438



Company Name: **RAMBOLL**
 Branch/Location: **BROOKFIELD WI**
 Project Contact: **SUSAN PETROFSKE**
 Phone: **262 901 3501**
 Project Number: **1690005819**
 Project Name: **ONE HOUR VALET**
 Project State: **WISCONSIN**
 Sampled By (Print): **PAUL LINOQUIST**
 Sampled By (Sign): *Paul Linoquist*

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

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

Y/N	Pick Letter	Analysis Requested	Matrix
	F	TOTAL VOCs	S
			S
			S
			S
			S
			S
			S
			S
			S
			S
			W

Quote #: **00059220**
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS: **5-DAY TURN**
 LAB COMMENTS (Lab Use Only): **L1169657-01**
 Profile #: **02, 03, 04, 05, 06, 07**

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		MATRIX
		DATE	TIME	
	WC-1 20190614	6/14/19	1205	S
	WC-2 20190614		1215	S
	WC-3 20190614		1230	S
	WC-4 20190614		1235	S
	WC-5 20190614		1245	S
	WC-6 20190614	6/14/19	1255	S
	TRIP BLANK			W


Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: **5-DAY TURN**

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

Relinquished By: <i>Paul Linoquist</i>	Date/Time: 6/14/19 1420	Received By: <i>Doreen</i>	Date/Time: 6/14/19 1420
Relinquished By: <i>Doreen</i>	Date/Time: 6/14/19 1630	Received By: FEDEX	Date/Time: 6/14/19 1630
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. **A30F**
 Receipt Temp = 0.6-3=0.3°C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal **Present / Not Present (Intact) / Not Intact**

**Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form**

Client:	SDG#:	L1109657	
Cooler Received/Opened On: 6/15/19	Temperature:	0.3°C	
Received By: Jordan Harris			
Signature: 			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		/	
COC Signed / Accurate?		/	
Bottles arrive intact?		/	
Correct bottles used?		/	
Sufficient volume sent?		/	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical - Green Bay, WI

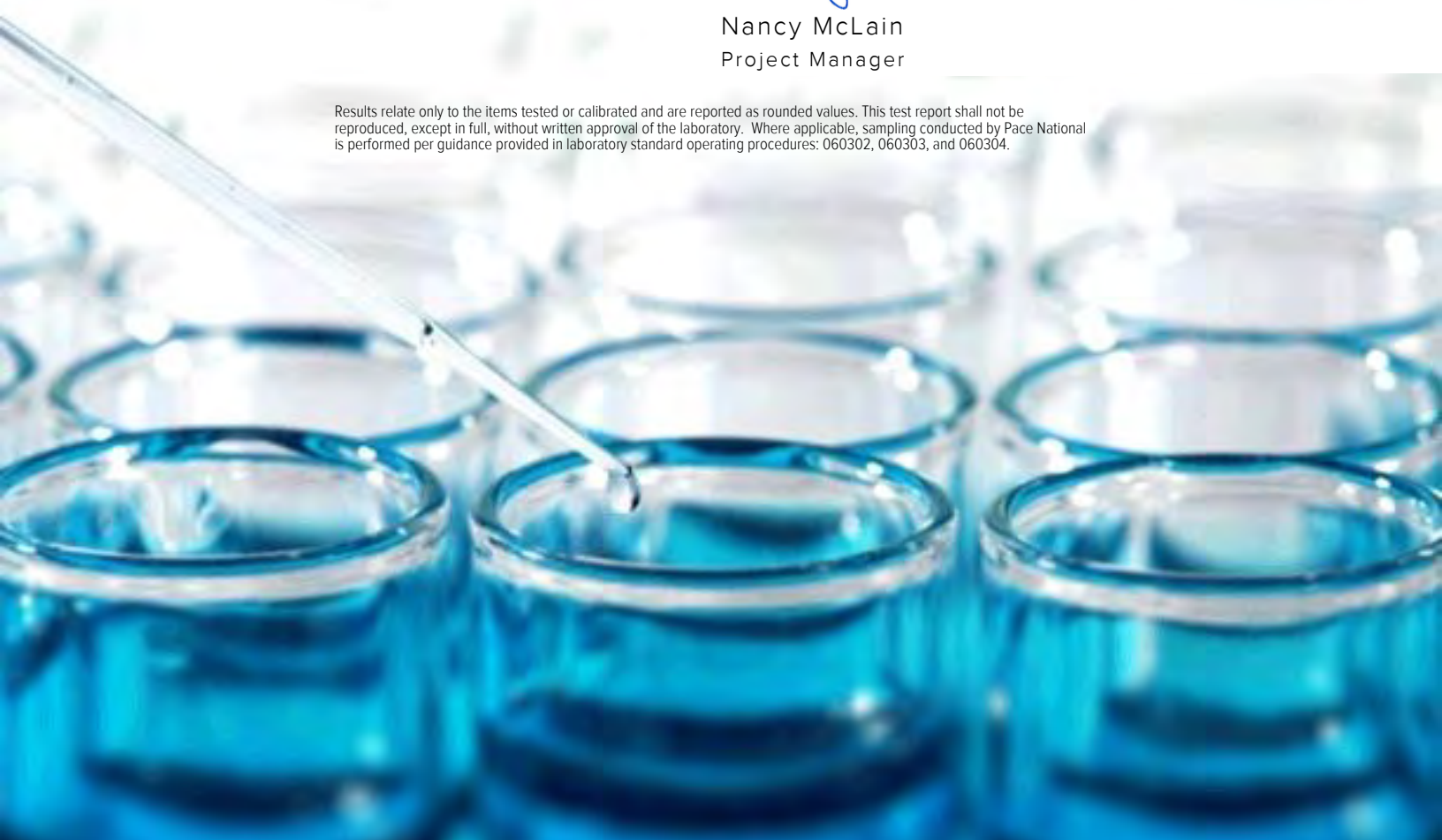
Sample Delivery Group: L1109657
Samples Received: 06/15/2019
Project Number: 40189581
Description: 1690005819 ONE HOUR VALET
Site: 001
Report To: Steve Mleczo
1241 Bellvue Street, Suite 9
Green Bay, WI 54302

Entire Report Reviewed By:



Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	3 Ss
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WC-2 20190614 L1109657-02	7	4 Cn
WC-3 20190614 L1109657-03	9	5 Sr
WC-4 20190614 L1109657-04	11	
WC-5 20190614 L1109657-05	13	6 Qc
WC-6 20190614 L1109657-06	15	
TRIP BLANK L1109657-07	17	7 Gl
Qc: Quality Control Summary	19	8 Al
Total Solids by Method 2540 G-2011	19	
Volatile Organic Compounds (GC/MS) by Method 8260B	20	9 Sc
Gl: Glossary of Terms	28	
Al: Accreditations & Locations	29	
Sc: Sample Chain of Custody	30	

SAMPLE SUMMARY



WC-1 20190614 L1109657-01 Solid

Collected by Paul Lindquist
 Collected date/time 06/14/19 12:05
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299388	75	06/14/19 12:05	06/21/19 18:02	BMB	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

WC-2 20190614 L1109657-02 Solid

Collected by Paul Lindquist
 Collected date/time 06/14/19 12:15
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299388	99.5	06/14/19 12:15	06/21/19 18:22	BMB	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

WC-3 20190614 L1109657-03 Solid

Collected by Paul Lindquist
 Collected date/time 06/14/19 12:30
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299388	73.5	06/14/19 12:30	06/21/19 18:42	BMB	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

WC-4 20190614 L1109657-04 Solid

Collected by Paul Lindquist
 Collected date/time 06/14/19 12:35
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299388	69	06/14/19 12:35	06/21/19 19:02	BMB	Mt. Juliet, TN

WC-5 20190614 L1109657-05 Solid

Collected by Paul Lindquist
 Collected date/time 06/14/19 12:45
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299388	57	06/14/19 12:45	06/21/19 19:22	BMB	Mt. Juliet, TN

WC-6 20190614 L1109657-06 Solid

Collected by Paul Lindquist
 Collected date/time 06/14/19 12:55
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1298913	1	06/20/19 10:43	06/20/19 10:53	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299388	105.5	06/14/19 12:55	06/21/19 19:42	BMB	Mt. Juliet, TN

TRIP BLANK L1109657-07 GW

Collected by Paul Lindquist
 Collected date/time 06/14/19 00:00
 Received date/time 06/15/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1299486	1	06/20/19 20:35	06/20/19 20:35	ADM	Mt. Juliet, TN



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.16	3.87	75	06/21/2019 18:02	WG1299388
Acrylonitrile	U		0.161	0.537	75	06/21/2019 18:02	WG1299388
Allyl chloride	U		1.23	4.09	75	06/21/2019 18:02	WG1299388
Benzene	U		0.0339	0.113	75	06/21/2019 18:02	WG1299388
Bromobenzene	U		0.0891	0.297	75	06/21/2019 18:02	WG1299388
Bromodichloromethane	U		0.0668	0.223	75	06/21/2019 18:02	WG1299388
Bromoform	U		0.506	1.69	75	06/21/2019 18:02	WG1299388
Bromomethane	U		0.314	1.04	75	06/21/2019 18:02	WG1299388
n-Butylbenzene	U		0.326	1.09	75	06/21/2019 18:02	WG1299388
sec-Butylbenzene	U		0.215	0.715	75	06/21/2019 18:02	WG1299388
tert-Butylbenzene	U		0.131	0.438	75	06/21/2019 18:02	WG1299388
Carbon tetrachloride	U		0.0916	0.305	75	06/21/2019 18:02	WG1299388
Chlorobenzene	U		0.0486	0.162	75	06/21/2019 18:02	WG1299388
Chlorodibromomethane	U		0.0382	0.127	75	06/21/2019 18:02	WG1299388
Chloroethane	U		0.0916	0.305	75	06/21/2019 18:02	WG1299388
Chloroform	U		0.0352	0.117	75	06/21/2019 18:02	WG1299388
Chloromethane	U		0.118	0.392	75	06/21/2019 18:02	WG1299388
2-Chlorotoluene	U		0.0780	0.260	75	06/21/2019 18:02	WG1299388
4-Chlorotoluene	U		0.0958	0.320	75	06/21/2019 18:02	WG1299388
1,2-Dibromo-3-Chloropropane	U		0.432	1.44	75	06/21/2019 18:02	WG1299388
1,2-Dibromoethane	U		0.0445	0.148	75	06/21/2019 18:02	WG1299388
Dibromomethane	U		0.0848	0.282	75	06/21/2019 18:02	WG1299388
1,2-Dichlorobenzene	U		0.123	0.409	75	06/21/2019 18:02	WG1299388
1,3-Dichlorobenzene	U		0.145	0.481	75	06/21/2019 18:02	WG1299388
1,4-Dichlorobenzene	U		0.167	0.557	75	06/21/2019 18:02	WG1299388
Dichlorodifluoromethane	U		0.0694	0.231	75	06/21/2019 18:02	WG1299388
Dichlorofluoromethane	U		0.0791	0.264	75	06/21/2019 18:02	WG1299388
1,1-Dichloroethane	U		0.0487	0.163	75	06/21/2019 18:02	WG1299388
1,2-Dichloroethane	U		0.0402	0.134	75	06/21/2019 18:02	WG1299388
1,1-Dichloroethene	U		0.0424	0.142	75	06/21/2019 18:02	WG1299388
cis-1,2-Dichloroethene	U		0.0585	0.195	75	06/21/2019 18:02	WG1299388
trans-1,2-Dichloroethene	U		0.121	0.404	75	06/21/2019 18:02	WG1299388
1,2-Dichloropropane	U		0.108	0.359	75	06/21/2019 18:02	WG1299388
1,1-Dichloropropene	U		0.0593	0.198	75	06/21/2019 18:02	WG1299388
1,3-Dichloropropane	U		0.148	0.494	75	06/21/2019 18:02	WG1299388
cis-1,3-Dichloropropene	U		0.0574	0.192	75	06/21/2019 18:02	WG1299388
trans-1,3-Dichloropropene	U		0.130	0.432	75	06/21/2019 18:02	WG1299388
2,2-Dichloropropane	U		0.0673	0.224	75	06/21/2019 18:02	WG1299388
Di-isopropyl ether	U		0.0296	0.0992	75	06/21/2019 18:02	WG1299388
Ethylbenzene	U		0.0450	0.150	75	06/21/2019 18:02	WG1299388
Ethyl ether	U		0.0361	0.120	75	06/21/2019 18:02	WG1299388
Hexachloro-1,3-butadiene	U		1.08	3.59	75	06/21/2019 18:02	WG1299388
2-Hexanone	U		0.848	2.82	75	06/21/2019 18:02	WG1299388
Isopropylbenzene	U		0.0731	0.244	75	06/21/2019 18:02	WG1299388
p-Isopropyltoluene	U		0.198	0.659	75	06/21/2019 18:02	WG1299388
2-Butanone (MEK)	U		1.06	3.54	75	06/21/2019 18:02	WG1299388
Methylene Chloride	U		0.563	1.87	75	06/21/2019 18:02	WG1299388
4-Methyl-2-pentanone (MIBK)	U		0.848	2.82	75	06/21/2019 18:02	WG1299388
Methyl tert-butyl ether	U		0.0250	0.0833	75	06/21/2019 18:02	WG1299388
Naphthalene	U		0.264	0.882	75	06/21/2019 18:02	WG1299388

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.100	0.333	75	06/21/2019 18:02	WG1299388
Styrene	U		0.232	0.771	75	06/21/2019 18:02	WG1299388
1,1,1,2-Tetrachloroethane	U		0.0424	0.142	75	06/21/2019 18:02	WG1299388
1,1,2,2-Tetrachloroethane	U		0.0330	0.110	75	06/21/2019 18:02	WG1299388
1,1,2-Trichlorotrifluoroethane	U		0.0572	0.191	75	06/21/2019 18:02	WG1299388
Tetrachloroethene	0.239		0.0593	0.198	75	06/21/2019 18:02	WG1299388
Tetrahydrofuran	U		0.191	0.636	75	06/21/2019 18:02	WG1299388
Toluene	U		0.106	0.354	75	06/21/2019 18:02	WG1299388
1,2,3-Trichlorobenzene	U		0.0530	0.176	75	06/21/2019 18:02	WG1299388
1,2,4-Trichlorobenzene	U		0.409	1.36	75	06/21/2019 18:02	WG1299388
1,1,1-Trichloroethane	U		0.0233	0.0777	75	06/21/2019 18:02	WG1299388
1,1,2-Trichloroethane	U		0.0748	0.249	75	06/21/2019 18:02	WG1299388
Trichloroethene	U		0.0339	0.113	75	06/21/2019 18:02	WG1299388
Trichlorofluoromethane	U		0.0424	0.142	75	06/21/2019 18:02	WG1299388
1,2,3-Trichloropropane	U		0.432	1.44	75	06/21/2019 18:02	WG1299388
1,2,4-Trimethylbenzene	U		0.0983	0.328	75	06/21/2019 18:02	WG1299388
1,2,3-Trimethylbenzene	U		0.0974	0.325	75	06/21/2019 18:02	WG1299388
1,3,5-Trimethylbenzene	U		0.0916	0.305	75	06/21/2019 18:02	WG1299388
Vinyl chloride	U		0.0579	0.193	75	06/21/2019 18:02	WG1299388
Xylenes, Total	U		0.405	1.35	75	06/21/2019 18:02	WG1299388
(S) Toluene-d8	104			75.0-131		06/21/2019 18:02	WG1299388
(S) 4-Bromofluorobenzene	104			67.0-138		06/21/2019 18:02	WG1299388
(S) 1,2-Dichloroethane-d4	84.9			70.0-130		06/21/2019 18:02	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.54	5.14	99.5	06/21/2019 18:22	WG1299388
Acrylonitrile	U		0.214	0.712	99.5	06/21/2019 18:22	WG1299388
Allyl chloride	U		1.63	5.43	99.5	06/21/2019 18:22	WG1299388
Benzene	U		0.0450	0.150	99.5	06/21/2019 18:22	WG1299388
Bromobenzene	U		0.118	0.394	99.5	06/21/2019 18:22	WG1299388
Bromodichloromethane	U		0.0886	0.296	99.5	06/21/2019 18:22	WG1299388
Bromoform	U		0.673	2.24	99.5	06/21/2019 18:22	WG1299388
Bromomethane	U		0.416	1.38	99.5	06/21/2019 18:22	WG1299388
n-Butylbenzene	U		0.432	1.44	99.5	06/21/2019 18:22	WG1299388
sec-Butylbenzene	U		0.285	0.948	99.5	06/21/2019 18:22	WG1299388
tert-Butylbenzene	U		0.174	0.581	99.5	06/21/2019 18:22	WG1299388
Carbon tetrachloride	U		0.121	0.405	99.5	06/21/2019 18:22	WG1299388
Chlorobenzene	U		0.0644	0.215	99.5	06/21/2019 18:22	WG1299388
Chlorodibromomethane	U		0.0506	0.169	99.5	06/21/2019 18:22	WG1299388
Chloroethane	U		0.121	0.405	99.5	06/21/2019 18:22	WG1299388
Chloroform	U		0.0467	0.155	99.5	06/21/2019 18:22	WG1299388
Chloromethane	U		0.156	0.521	99.5	06/21/2019 18:22	WG1299388
2-Chlorotoluene	U		0.103	0.345	99.5	06/21/2019 18:22	WG1299388
4-Chlorotoluene	U		0.127	0.424	99.5	06/21/2019 18:22	WG1299388
1,2-Dibromo-3-Chloropropane	U		0.573	1.91	99.5	06/21/2019 18:22	WG1299388
1,2-Dibromoethane	U		0.0590	0.197	99.5	06/21/2019 18:22	WG1299388
Dibromomethane	U		0.112	0.375	99.5	06/21/2019 18:22	WG1299388
1,2-Dichlorobenzene	U		0.163	0.543	99.5	06/21/2019 18:22	WG1299388
1,3-Dichlorobenzene	U		0.191	0.638	99.5	06/21/2019 18:22	WG1299388
1,4-Dichlorobenzene	U		0.222	0.739	99.5	06/21/2019 18:22	WG1299388
Dichlorodifluoromethane	U		0.0920	0.307	99.5	06/21/2019 18:22	WG1299388
Dichlorofluoromethane	U		0.105	0.350	99.5	06/21/2019 18:22	WG1299388
1,1-Dichloroethane	U		0.0647	0.216	99.5	06/21/2019 18:22	WG1299388
1,2-Dichloroethane	U		0.0535	0.178	99.5	06/21/2019 18:22	WG1299388
1,1-Dichloroethene	U		0.0563	0.188	99.5	06/21/2019 18:22	WG1299388
cis-1,2-Dichloroethene	U		0.0775	0.259	99.5	06/21/2019 18:22	WG1299388
trans-1,2-Dichloroethene	U		0.161	0.536	99.5	06/21/2019 18:22	WG1299388
1,2-Dichloropropane	U		0.142	0.476	99.5	06/21/2019 18:22	WG1299388
1,1-Dichloropropene	U		0.0787	0.262	99.5	06/21/2019 18:22	WG1299388
1,3-Dichloropropane	U		0.197	0.656	99.5	06/21/2019 18:22	WG1299388
cis-1,3-Dichloropropene	U		0.0763	0.254	99.5	06/21/2019 18:22	WG1299388
trans-1,3-Dichloropropene	U		0.172	0.574	99.5	06/21/2019 18:22	WG1299388
2,2-Dichloropropane	U		0.0892	0.297	99.5	06/21/2019 18:22	WG1299388
Di-isopropyl ether	U		0.0393	0.132	99.5	06/21/2019 18:22	WG1299388
Ethylbenzene	U		0.0596	0.199	99.5	06/21/2019 18:22	WG1299388
Ethyl ether	U		0.0478	0.160	99.5	06/21/2019 18:22	WG1299388
Hexachloro-1,3-butadiene	U		1.42	4.76	99.5	06/21/2019 18:22	WG1299388
2-Hexanone	U		1.12	3.75	99.5	06/21/2019 18:22	WG1299388
Isopropylbenzene	U		0.0971	0.324	99.5	06/21/2019 18:22	WG1299388
p-Isopropyltoluene	U		0.262	0.874	99.5	06/21/2019 18:22	WG1299388
2-Butanone (MEK)	U		1.40	4.69	99.5	06/21/2019 18:22	WG1299388
Methylene Chloride	U		0.747	2.49	99.5	06/21/2019 18:22	WG1299388
4-Methyl-2-pentanone (MIBK)	U		1.12	3.75	99.5	06/21/2019 18:22	WG1299388
Methyl tert-butyl ether	U		0.0332	0.111	99.5	06/21/2019 18:22	WG1299388
Naphthalene	U		0.350	1.17	99.5	06/21/2019 18:22	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.132	0.442	99.5	06/21/2019 18:22	WG1299388
Styrene	U		0.307	1.02	99.5	06/21/2019 18:22	WG1299388
1,1,1,2-Tetrachloroethane	U		0.0563	0.188	99.5	06/21/2019 18:22	WG1299388
1,1,2,2-Tetrachloroethane	U		0.0439	0.146	99.5	06/21/2019 18:22	WG1299388
1,1,2-Trichlorotrifluoroethane	U		0.0760	0.253	99.5	06/21/2019 18:22	WG1299388
Tetrachloroethene	0.121	J	0.0787	0.262	99.5	06/21/2019 18:22	WG1299388
Tetrahydrofuran	U		0.253	0.843	99.5	06/21/2019 18:22	WG1299388
Toluene	U		0.140	0.469	99.5	06/21/2019 18:22	WG1299388
1,2,3-Trichlorobenzene	U		0.0703	0.234	99.5	06/21/2019 18:22	WG1299388
1,2,4-Trichlorobenzene	U		0.543	1.81	99.5	06/21/2019 18:22	WG1299388
1,1,1-Trichloroethane	U		0.0310	0.103	99.5	06/21/2019 18:22	WG1299388
1,1,2-Trichloroethane	U		0.0992	0.331	99.5	06/21/2019 18:22	WG1299388
Trichloroethene	U		0.0450	0.150	99.5	06/21/2019 18:22	WG1299388
Trichlorofluoromethane	U		0.0563	0.188	99.5	06/21/2019 18:22	WG1299388
1,2,3-Trichloropropane	U		0.573	1.91	99.5	06/21/2019 18:22	WG1299388
1,2,4-Trimethylbenzene	U		0.130	0.435	99.5	06/21/2019 18:22	WG1299388
1,2,3-Trimethylbenzene	U		0.129	0.431	99.5	06/21/2019 18:22	WG1299388
1,3,5-Trimethylbenzene	U		0.121	0.405	99.5	06/21/2019 18:22	WG1299388
Vinyl chloride	U		0.0769	0.256	99.5	06/21/2019 18:22	WG1299388
Xylenes, Total	U		0.538	1.79	99.5	06/21/2019 18:22	WG1299388
(S) Toluene-d8	104			75.0-131		06/21/2019 18:22	WG1299388
(S) 4-Bromofluorobenzene	102			67.0-138		06/21/2019 18:22	WG1299388
(S) 1,2-Dichloroethane-d4	85.6			70.0-130		06/21/2019 18:22	WG1299388

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.14	3.80	73.5	06/21/2019 18:42	WG1299388
Acrylonitrile	U		0.158	0.526	73.5	06/21/2019 18:42	WG1299388
Allyl chloride	U		1.20	4.01	73.5	06/21/2019 18:42	WG1299388
Benzene	U		0.0332	0.110	73.5	06/21/2019 18:42	WG1299388
Bromobenzene	U		0.0873	0.291	73.5	06/21/2019 18:42	WG1299388
Bromodichloromethane	U		0.0654	0.218	73.5	06/21/2019 18:42	WG1299388
Bromoform	U		0.497	1.65	73.5	06/21/2019 18:42	WG1299388
Bromomethane	U		0.307	1.02	73.5	06/21/2019 18:42	WG1299388
n-Butylbenzene	U		0.319	1.06	73.5	06/21/2019 18:42	WG1299388
sec-Butylbenzene	U		0.210	0.700	73.5	06/21/2019 18:42	WG1299388
tert-Butylbenzene	U		0.129	0.430	73.5	06/21/2019 18:42	WG1299388
Carbon tetrachloride	U		0.0897	0.299	73.5	06/21/2019 18:42	WG1299388
Chlorobenzene	U		0.0476	0.159	73.5	06/21/2019 18:42	WG1299388
Chlorodibromomethane	U		0.0374	0.125	73.5	06/21/2019 18:42	WG1299388
Chloroethane	U		0.0897	0.299	73.5	06/21/2019 18:42	WG1299388
Chloroform	U		0.0345	0.115	73.5	06/21/2019 18:42	WG1299388
Chloromethane	U		0.115	0.385	73.5	06/21/2019 18:42	WG1299388
2-Chlorotoluene	U		0.0764	0.255	73.5	06/21/2019 18:42	WG1299388
4-Chlorotoluene	U		0.0938	0.313	73.5	06/21/2019 18:42	WG1299388
1,2-Dibromo-3-Chloropropane	U		0.424	1.41	73.5	06/21/2019 18:42	WG1299388
1,2-Dibromoethane	U		0.0436	0.145	73.5	06/21/2019 18:42	WG1299388
Dibromomethane	U		0.0831	0.277	73.5	06/21/2019 18:42	WG1299388
1,2-Dichlorobenzene	U		0.120	0.401	73.5	06/21/2019 18:42	WG1299388
1,3-Dichlorobenzene	U		0.141	0.471	73.5	06/21/2019 18:42	WG1299388
1,4-Dichlorobenzene	U		0.164	0.546	73.5	06/21/2019 18:42	WG1299388
Dichlorodifluoromethane	U		0.0679	0.227	73.5	06/21/2019 18:42	WG1299388
Dichlorofluoromethane	U		0.0775	0.258	73.5	06/21/2019 18:42	WG1299388
1,1-Dichloroethane	U		0.0478	0.160	73.5	06/21/2019 18:42	WG1299388
1,2-Dichloroethane	U		0.0394	0.131	73.5	06/21/2019 18:42	WG1299388
1,1-Dichloroethene	U		0.0416	0.139	73.5	06/21/2019 18:42	WG1299388
cis-1,2-Dichloroethene	U		0.0573	0.191	73.5	06/21/2019 18:42	WG1299388
trans-1,2-Dichloroethene	U		0.119	0.396	73.5	06/21/2019 18:42	WG1299388
1,2-Dichloropropane	U		0.105	0.351	73.5	06/21/2019 18:42	WG1299388
1,1-Dichloropropene	U		0.0581	0.194	73.5	06/21/2019 18:42	WG1299388
1,3-Dichloropropane	U		0.146	0.484	73.5	06/21/2019 18:42	WG1299388
cis-1,3-Dichloropropene	U		0.0563	0.188	73.5	06/21/2019 18:42	WG1299388
trans-1,3-Dichloropropene	U		0.127	0.424	73.5	06/21/2019 18:42	WG1299388
2,2-Dichloropropane	U		0.0659	0.219	73.5	06/21/2019 18:42	WG1299388
Di-isopropyl ether	U		0.0290	0.0972	73.5	06/21/2019 18:42	WG1299388
Ethylbenzene	U		0.0441	0.147	73.5	06/21/2019 18:42	WG1299388
Ethyl ether	U		0.0353	0.118	73.5	06/21/2019 18:42	WG1299388
Hexachloro-1,3-butadiene	U		1.05	3.51	73.5	06/21/2019 18:42	WG1299388
2-Hexanone	U		0.831	2.77	73.5	06/21/2019 18:42	WG1299388
Isopropylbenzene	U		0.0717	0.239	73.5	06/21/2019 18:42	WG1299388
p-Isopropyltoluene	U		0.193	0.646	73.5	06/21/2019 18:42	WG1299388
2-Butanone (MEK)	U		1.04	3.46	73.5	06/21/2019 18:42	WG1299388
Methylene Chloride	U		0.552	1.84	73.5	06/21/2019 18:42	WG1299388
4-Methyl-2-pentanone (MIBK)	U		0.831	2.77	73.5	06/21/2019 18:42	WG1299388
Methyl tert-butyl ether	U		0.0245	0.0817	73.5	06/21/2019 18:42	WG1299388
Naphthalene	U		0.259	0.864	73.5	06/21/2019 18:42	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0980	0.326	73.5	06/21/2019 18:42	WG1299388
Styrene	U		0.227	0.756	73.5	06/21/2019 18:42	WG1299388
1,1,1,2-Tetrachloroethane	U		0.0416	0.139	73.5	06/21/2019 18:42	WG1299388
1,1,2,2-Tetrachloroethane	U		0.0324	0.108	73.5	06/21/2019 18:42	WG1299388
1,1,2-Trichlorotrifluoroethane	U		0.0561	0.187	73.5	06/21/2019 18:42	WG1299388
Tetrachloroethene	0.316		0.0581	0.194	73.5	06/21/2019 18:42	WG1299388
Tetrahydrofuran	U		0.187	0.623	73.5	06/21/2019 18:42	WG1299388
Toluene	U		0.104	0.346	73.5	06/21/2019 18:42	WG1299388
1,2,3-Trichlorobenzene	U		0.0519	0.173	73.5	06/21/2019 18:42	WG1299388
1,2,4-Trichlorobenzene	U		0.400	1.34	73.5	06/21/2019 18:42	WG1299388
1,1,1-Trichloroethane	U		0.0228	0.0762	73.5	06/21/2019 18:42	WG1299388
1,1,2-Trichloroethane	U		0.0734	0.244	73.5	06/21/2019 18:42	WG1299388
Trichloroethene	U		0.0332	0.110	73.5	06/21/2019 18:42	WG1299388
Trichlorofluoromethane	U		0.0416	0.139	73.5	06/21/2019 18:42	WG1299388
1,2,3-Trichloropropane	U		0.424	1.41	73.5	06/21/2019 18:42	WG1299388
1,2,4-Trimethylbenzene	U		0.0964	0.322	73.5	06/21/2019 18:42	WG1299388
1,2,3-Trimethylbenzene	U		0.0955	0.318	73.5	06/21/2019 18:42	WG1299388
1,3,5-Trimethylbenzene	U		0.0897	0.299	73.5	06/21/2019 18:42	WG1299388
Vinyl chloride	U		0.0567	0.189	73.5	06/21/2019 18:42	WG1299388
Xylenes, Total	U		0.397	1.32	73.5	06/21/2019 18:42	WG1299388
(S) Toluene-d8	104			75.0-131		06/21/2019 18:42	WG1299388
(S) 4-Bromofluorobenzene	103			67.0-138		06/21/2019 18:42	WG1299388
(S) 1,2-Dichloroethane-d4	85.0			70.0-130		06/21/2019 18:42	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.07	3.56	69	06/21/2019 19:02	WG1299388
Acrylonitrile	U		0.148	0.494	69	06/21/2019 19:02	WG1299388
Allyl chloride	U		1.13	3.77	69	06/21/2019 19:02	WG1299388
Benzene	U		0.0312	0.104	69	06/21/2019 19:02	WG1299388
Bromobenzene	U		0.0818	0.273	69	06/21/2019 19:02	WG1299388
Bromodichloromethane	U		0.0615	0.205	69	06/21/2019 19:02	WG1299388
Bromoform	U		0.467	1.55	69	06/21/2019 19:02	WG1299388
Bromomethane	U		0.288	0.959	69	06/21/2019 19:02	WG1299388
n-Butylbenzene	U		0.300	0.998	69	06/21/2019 19:02	WG1299388
sec-Butylbenzene	U		0.197	0.657	69	06/21/2019 19:02	WG1299388
tert-Butylbenzene	U		0.121	0.403	69	06/21/2019 19:02	WG1299388
Carbon tetrachloride	U		0.0842	0.281	69	06/21/2019 19:02	WG1299388
Chlorobenzene	U		0.0446	0.149	69	06/21/2019 19:02	WG1299388
Chlorodibromomethane	U		0.0350	0.117	69	06/21/2019 19:02	WG1299388
Chloroethane	U		0.0842	0.281	69	06/21/2019 19:02	WG1299388
Chloroform	U		0.0323	0.108	69	06/21/2019 19:02	WG1299388
Chloromethane	U		0.108	0.361	69	06/21/2019 19:02	WG1299388
2-Chlorotoluene	U		0.0718	0.239	69	06/21/2019 19:02	WG1299388
4-Chlorotoluene	U		0.0882	0.294	69	06/21/2019 19:02	WG1299388
1,2-Dibromo-3-Chloropropane	U		0.398	1.33	69	06/21/2019 19:02	WG1299388
1,2-Dibromoethane	U		0.0409	0.136	69	06/21/2019 19:02	WG1299388
Dibromomethane	U		0.0780	0.260	69	06/21/2019 19:02	WG1299388
1,2-Dichlorobenzene	U		0.113	0.377	69	06/21/2019 19:02	WG1299388
1,3-Dichlorobenzene	U		0.132	0.442	69	06/21/2019 19:02	WG1299388
1,4-Dichlorobenzene	U		0.154	0.512	69	06/21/2019 19:02	WG1299388
Dichlorodifluoromethane	U		0.0637	0.213	69	06/21/2019 19:02	WG1299388
Dichlorofluoromethane	U		0.0728	0.243	69	06/21/2019 19:02	WG1299388
1,1-Dichloroethane	U		0.0449	0.150	69	06/21/2019 19:02	WG1299388
1,2-Dichloroethane	U		0.0371	0.123	69	06/21/2019 19:02	WG1299388
1,1-Dichloroethene	U		0.0390	0.130	69	06/21/2019 19:02	WG1299388
cis-1,2-Dichloroethene	U		0.0538	0.179	69	06/21/2019 19:02	WG1299388
trans-1,2-Dichloroethene	U		0.112	0.372	69	06/21/2019 19:02	WG1299388
1,2-Dichloropropane	U		0.0990	0.330	69	06/21/2019 19:02	WG1299388
1,1-Dichloropropene	U		0.0546	0.182	69	06/21/2019 19:02	WG1299388
1,3-Dichloropropane	U		0.137	0.455	69	06/21/2019 19:02	WG1299388
cis-1,3-Dichloropropene	U		0.0529	0.176	69	06/21/2019 19:02	WG1299388
trans-1,3-Dichloropropene	U		0.120	0.398	69	06/21/2019 19:02	WG1299388
2,2-Dichloropropane	U		0.0618	0.206	69	06/21/2019 19:02	WG1299388
Di-isopropyl ether	U		0.0274	0.0912	69	06/21/2019 19:02	WG1299388
Ethylbenzene	U		0.0414	0.138	69	06/21/2019 19:02	WG1299388
Ethyl ether	U		0.0331	0.111	69	06/21/2019 19:02	WG1299388
Hexachloro-1,3-butadiene	U		0.990	3.30	69	06/21/2019 19:02	WG1299388
2-Hexanone	U		0.780	2.60	69	06/21/2019 19:02	WG1299388
Isopropylbenzene	U		0.0673	0.225	69	06/21/2019 19:02	WG1299388
p-Isopropyltoluene	U		0.182	0.606	69	06/21/2019 19:02	WG1299388
2-Butanone (MEK)	U		0.974	3.25	69	06/21/2019 19:02	WG1299388
Methylene Chloride	U		0.518	1.72	69	06/21/2019 19:02	WG1299388
4-Methyl-2-pentanone (MIBK)	U		0.780	2.60	69	06/21/2019 19:02	WG1299388
Methyl tert-butyl ether	U		0.0231	0.0767	69	06/21/2019 19:02	WG1299388
Naphthalene	U		0.243	0.811	69	06/21/2019 19:02	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0920	0.307	69	06/21/2019 19:02	WG1299388
Styrene	U		0.212	0.710	69	06/21/2019 19:02	WG1299388
1,1,1,2-Tetrachloroethane	U		0.0390	0.130	69	06/21/2019 19:02	WG1299388
1,1,2,2-Tetrachloroethane	U		0.0304	0.101	69	06/21/2019 19:02	WG1299388
1,1,2-Trichlorotrifluoroethane	U		0.0527	0.175	69	06/21/2019 19:02	WG1299388
Tetrachloroethene	1.03		0.0546	0.182	69	06/21/2019 19:02	WG1299388
Tetrahydrofuran	U		0.175	0.585	69	06/21/2019 19:02	WG1299388
Toluene	U		0.0974	0.325	69	06/21/2019 19:02	WG1299388
1,2,3-Trichlorobenzene	U		0.0487	0.162	69	06/21/2019 19:02	WG1299388
1,2,4-Trichlorobenzene	U		0.375	1.26	69	06/21/2019 19:02	WG1299388
1,1,1-Trichloroethane	U		0.0215	0.0715	69	06/21/2019 19:02	WG1299388
1,1,2-Trichloroethane	U		0.0688	0.229	69	06/21/2019 19:02	WG1299388
Trichloroethene	U		0.0312	0.104	69	06/21/2019 19:02	WG1299388
Trichlorofluoromethane	U		0.0390	0.130	69	06/21/2019 19:02	WG1299388
1,2,3-Trichloropropane	U		0.398	1.33	69	06/21/2019 19:02	WG1299388
1,2,4-Trimethylbenzene	U		0.0904	0.302	69	06/21/2019 19:02	WG1299388
1,2,3-Trimethylbenzene	U		0.0897	0.299	69	06/21/2019 19:02	WG1299388
1,3,5-Trimethylbenzene	U		0.0842	0.281	69	06/21/2019 19:02	WG1299388
Vinyl chloride	U		0.0532	0.178	69	06/21/2019 19:02	WG1299388
Xylenes, Total	U		0.373	1.24	69	06/21/2019 19:02	WG1299388
(S) Toluene-d8	103			75.0-131		06/21/2019 19:02	WG1299388
(S) 4-Bromofluorobenzene	101			67.0-138		06/21/2019 19:02	WG1299388
(S) 1,2-Dichloroethane-d4	83.8			70.0-130		06/21/2019 19:02	WG1299388

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.883	2.94	57	06/21/2019 19:22	WG1299388
Acrylonitrile	U		0.122	0.408	57	06/21/2019 19:22	WG1299388
Allyl chloride	U		0.934	3.11	57	06/21/2019 19:22	WG1299388
Benzene	U		0.0258	0.0857	57	06/21/2019 19:22	WG1299388
Bromobenzene	U		0.0676	0.225	57	06/21/2019 19:22	WG1299388
Bromodichloromethane	U		0.0508	0.169	57	06/21/2019 19:22	WG1299388
Bromoform	U		0.385	1.28	57	06/21/2019 19:22	WG1299388
Bromomethane	U		0.238	0.792	57	06/21/2019 19:22	WG1299388
n-Butylbenzene	U		0.248	0.825	57	06/21/2019 19:22	WG1299388
sec-Butylbenzene	U		0.163	0.543	57	06/21/2019 19:22	WG1299388
tert-Butylbenzene	U		0.0999	0.333	57	06/21/2019 19:22	WG1299388
Carbon tetrachloride	U		0.0696	0.232	57	06/21/2019 19:22	WG1299388
Chlorobenzene	U		0.0370	0.123	57	06/21/2019 19:22	WG1299388
Chlorodibromomethane	U		0.0289	0.0966	57	06/21/2019 19:22	WG1299388
Chloroethane	U		0.0696	0.232	57	06/21/2019 19:22	WG1299388
Chloroform	U		0.0267	0.0889	57	06/21/2019 19:22	WG1299388
Chloromethane	U		0.0895	0.298	57	06/21/2019 19:22	WG1299388
2-Chlorotoluene	U		0.0592	0.198	57	06/21/2019 19:22	WG1299388
4-Chlorotoluene	U		0.0728	0.243	57	06/21/2019 19:22	WG1299388
1,2-Dibromo-3-Chloropropane	U		0.329	1.10	57	06/21/2019 19:22	WG1299388
1,2-Dibromoethane	U		0.0338	0.113	57	06/21/2019 19:22	WG1299388
Dibromomethane	U		0.0644	0.215	57	06/21/2019 19:22	WG1299388
1,2-Dichlorobenzene	U		0.0934	0.311	57	06/21/2019 19:22	WG1299388
1,3-Dichlorobenzene	U		0.110	0.365	57	06/21/2019 19:22	WG1299388
1,4-Dichlorobenzene	U		0.127	0.423	57	06/21/2019 19:22	WG1299388
Dichlorodifluoromethane	U		0.0527	0.176	57	06/21/2019 19:22	WG1299388
Dichlorofluoromethane	U		0.0601	0.200	57	06/21/2019 19:22	WG1299388
1,1-Dichloroethane	U		0.0371	0.124	57	06/21/2019 19:22	WG1299388
1,2-Dichloroethane	U		0.0306	0.102	57	06/21/2019 19:22	WG1299388
1,1-Dichloroethene	U		0.0322	0.108	57	06/21/2019 19:22	WG1299388
cis-1,2-Dichloroethene	0.0743	J	0.0444	0.148	57	06/21/2019 19:22	WG1299388
trans-1,2-Dichloroethene	U		0.0921	0.307	57	06/21/2019 19:22	WG1299388
1,2-Dichloropropane	U		0.0818	0.273	57	06/21/2019 19:22	WG1299388
1,1-Dichloropropene	U		0.0451	0.150	57	06/21/2019 19:22	WG1299388
1,3-Dichloropropane	U		0.113	0.376	57	06/21/2019 19:22	WG1299388
cis-1,3-Dichloropropene	U		0.0436	0.146	57	06/21/2019 19:22	WG1299388
trans-1,3-Dichloropropene	U		0.0986	0.329	57	06/21/2019 19:22	WG1299388
2,2-Dichloropropane	U		0.0511	0.170	57	06/21/2019 19:22	WG1299388
Di-isopropyl ether	U		0.0226	0.0754	57	06/21/2019 19:22	WG1299388
Ethylbenzene	U		0.0341	0.114	57	06/21/2019 19:22	WG1299388
Ethyl ether	U		0.0274	0.0915	57	06/21/2019 19:22	WG1299388
Hexachloro-1,3-butadiene	U		0.818	2.73	57	06/21/2019 19:22	WG1299388
2-Hexanone	U		0.644	2.15	57	06/21/2019 19:22	WG1299388
Isopropylbenzene	U		0.0556	0.186	57	06/21/2019 19:22	WG1299388
p-Isopropyltoluene	U		0.150	0.501	57	06/21/2019 19:22	WG1299388
2-Butanone (MEK)	U		0.805	2.69	57	06/21/2019 19:22	WG1299388
Methylene Chloride	U		0.427	1.42	57	06/21/2019 19:22	WG1299388
4-Methyl-2-pentanone (MIBK)	U		0.644	2.15	57	06/21/2019 19:22	WG1299388
Methyl tert-butyl ether	U		0.0190	0.0633	57	06/21/2019 19:22	WG1299388
Naphthalene	U		0.201	0.670	57	06/21/2019 19:22	WG1299388

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 06/14/19 12:45

L1109657

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0761	0.253	57	06/21/2019 19:22	WG1299388
Styrene	U		0.176	0.586	57	06/21/2019 19:22	WG1299388
1,1,1,2-Tetrachloroethane	U		0.0322	0.108	57	06/21/2019 19:22	WG1299388
1,1,2,2-Tetrachloroethane	U		0.0251	0.0838	57	06/21/2019 19:22	WG1299388
1,1,2-Trichlorotrifluoroethane	U		0.0435	0.145	57	06/21/2019 19:22	WG1299388
Tetrachloroethene	0.364		0.0451	0.150	57	06/21/2019 19:22	WG1299388
Tetrahydrofuran	U		0.145	0.483	57	06/21/2019 19:22	WG1299388
Toluene	U		0.0805	0.269	57	06/21/2019 19:22	WG1299388
1,2,3-Trichlorobenzene	U		0.0402	0.134	57	06/21/2019 19:22	WG1299388
1,2,4-Trichlorobenzene	U		0.311	1.04	57	06/21/2019 19:22	WG1299388
1,1,1-Trichloroethane	U		0.0177	0.0591	57	06/21/2019 19:22	WG1299388
1,1,2-Trichloroethane	U		0.0569	0.189	57	06/21/2019 19:22	WG1299388
Trichloroethene	0.0358	U	0.0258	0.0857	57	06/21/2019 19:22	WG1299388
Trichlorofluoromethane	U		0.0322	0.108	57	06/21/2019 19:22	WG1299388
1,2,3-Trichloropropane	U		0.329	1.10	57	06/21/2019 19:22	WG1299388
1,2,4-Trimethylbenzene	U		0.0747	0.249	57	06/21/2019 19:22	WG1299388
1,2,3-Trimethylbenzene	U		0.0741	0.247	57	06/21/2019 19:22	WG1299388
1,3,5-Trimethylbenzene	U		0.0696	0.232	57	06/21/2019 19:22	WG1299388
Vinyl chloride	U		0.0440	0.147	57	06/21/2019 19:22	WG1299388
Xylenes, Total	U		0.307	1.02	57	06/21/2019 19:22	WG1299388
(S) Toluene-d8	102			75.0-131		06/21/2019 19:22	WG1299388
(S) 4-Bromofluorobenzene	97.7			67.0-138		06/21/2019 19:22	WG1299388
(S) 1,2-Dichloroethane-d4	85.3			70.0-130		06/21/2019 19:22	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	06/20/2019 10:53	WG1298913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.63	5.45	105.5	06/21/2019 19:42	WG1299388
Acrylonitrile	U		0.226	0.755	105.5	06/21/2019 19:42	WG1299388
Allyl chloride	U		1.73	5.76	105.5	06/21/2019 19:42	WG1299388
Benzene	U		0.0477	0.159	105.5	06/21/2019 19:42	WG1299388
Bromobenzene	U		0.125	0.417	105.5	06/21/2019 19:42	WG1299388
Bromodichloromethane	U		0.0939	0.314	105.5	06/21/2019 19:42	WG1299388
Bromoform	U		0.713	2.37	105.5	06/21/2019 19:42	WG1299388
Bromomethane	U		0.441	1.47	105.5	06/21/2019 19:42	WG1299388
n-Butylbenzene	U		0.458	1.53	105.5	06/21/2019 19:42	WG1299388
sec-Butylbenzene	U		0.302	1.01	105.5	06/21/2019 19:42	WG1299388
tert-Butylbenzene	U		0.185	0.617	105.5	06/21/2019 19:42	WG1299388
Carbon tetrachloride	U		0.129	0.429	105.5	06/21/2019 19:42	WG1299388
Chlorobenzene	U		0.0683	0.228	105.5	06/21/2019 19:42	WG1299388
Chlorodibromomethane	U		0.0537	0.179	105.5	06/21/2019 19:42	WG1299388
Chloroethane	U		0.129	0.429	105.5	06/21/2019 19:42	WG1299388
Chloroform	U		0.0495	0.165	105.5	06/21/2019 19:42	WG1299388
Chloromethane	U		0.166	0.552	105.5	06/21/2019 19:42	WG1299388
2-Chlorotoluene	U		0.110	0.366	105.5	06/21/2019 19:42	WG1299388
4-Chlorotoluene	U		0.135	0.450	105.5	06/21/2019 19:42	WG1299388
1,2-Dibromo-3-Chloropropane	U		0.608	2.03	105.5	06/21/2019 19:42	WG1299388
1,2-Dibromoethane	U		0.0626	0.209	105.5	06/21/2019 19:42	WG1299388
Dibromomethane	U		0.120	0.397	105.5	06/21/2019 19:42	WG1299388
1,2-Dichlorobenzene	U		0.173	0.576	105.5	06/21/2019 19:42	WG1299388
1,3-Dichlorobenzene	U		0.202	0.676	105.5	06/21/2019 19:42	WG1299388
1,4-Dichlorobenzene	U		0.235	0.783	105.5	06/21/2019 19:42	WG1299388
Dichlorodifluoromethane	U		0.0975	0.326	105.5	06/21/2019 19:42	WG1299388
Dichlorofluoromethane	U		0.111	0.371	105.5	06/21/2019 19:42	WG1299388
1,1-Dichloroethane	U		0.0686	0.229	105.5	06/21/2019 19:42	WG1299388
1,2-Dichloroethane	U		0.0566	0.188	105.5	06/21/2019 19:42	WG1299388
1,1-Dichloroethene	U		0.0597	0.199	105.5	06/21/2019 19:42	WG1299388
cis-1,2-Dichloroethene	U		0.0823	0.274	105.5	06/21/2019 19:42	WG1299388
trans-1,2-Dichloroethene	U		0.171	0.569	105.5	06/21/2019 19:42	WG1299388
1,2-Dichloropropane	U		0.151	0.504	105.5	06/21/2019 19:42	WG1299388
1,1-Dichloropropene	U		0.0834	0.278	105.5	06/21/2019 19:42	WG1299388
1,3-Dichloropropane	U		0.209	0.695	105.5	06/21/2019 19:42	WG1299388
cis-1,3-Dichloropropene	U		0.0808	0.269	105.5	06/21/2019 19:42	WG1299388
trans-1,3-Dichloropropene	U		0.182	0.608	105.5	06/21/2019 19:42	WG1299388
2,2-Dichloropropane	U		0.0946	0.315	105.5	06/21/2019 19:42	WG1299388
Di-isopropyl ether	U		0.0417	0.140	105.5	06/21/2019 19:42	WG1299388
Ethylbenzene	U		0.0632	0.211	105.5	06/21/2019 19:42	WG1299388
Ethyl ether	U		0.0506	0.169	105.5	06/21/2019 19:42	WG1299388
Hexachloro-1,3-butadiene	U		1.51	5.04	105.5	06/21/2019 19:42	WG1299388
2-Hexanone	U		1.20	3.97	105.5	06/21/2019 19:42	WG1299388
Isopropylbenzene	U		0.103	0.343	105.5	06/21/2019 19:42	WG1299388
p-Isopropyltoluene	U		0.278	0.927	105.5	06/21/2019 19:42	WG1299388
2-Butanone (MEK)	U		1.49	4.97	105.5	06/21/2019 19:42	WG1299388
Methylene Chloride	U		0.791	2.64	105.5	06/21/2019 19:42	WG1299388
4-Methyl-2-pentanone (MIBK)	U		1.20	3.97	105.5	06/21/2019 19:42	WG1299388
Methyl tert-butyl ether	U		0.0352	0.117	105.5	06/21/2019 19:42	WG1299388
Naphthalene	U		0.372	1.24	105.5	06/21/2019 19:42	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.140	0.469	105.5	06/21/2019 19:42	WG1299388
Styrene	U		0.326	1.09	105.5	06/21/2019 19:42	WG1299388
1,1,1,2-Tetrachloroethane	U		0.0597	0.199	105.5	06/21/2019 19:42	WG1299388
1,1,2,2-Tetrachloroethane	U		0.0465	0.155	105.5	06/21/2019 19:42	WG1299388
1,1,2-Trichlorotrifluoroethane	U		0.0805	0.268	105.5	06/21/2019 19:42	WG1299388
Tetrachloroethene	U		0.0834	0.278	105.5	06/21/2019 19:42	WG1299388
Tetrahydrofuran	U		0.268	0.894	105.5	06/21/2019 19:42	WG1299388
Toluene	U		0.149	0.497	105.5	06/21/2019 19:42	WG1299388
1,2,3-Trichlorobenzene	U		0.0745	0.248	105.5	06/21/2019 19:42	WG1299388
1,2,4-Trichlorobenzene	U		0.574	1.92	105.5	06/21/2019 19:42	WG1299388
1,1,1-Trichloroethane	U		0.0328	0.109	105.5	06/21/2019 19:42	WG1299388
1,1,2-Trichloroethane	U		0.105	0.351	105.5	06/21/2019 19:42	WG1299388
Trichloroethene	U		0.0477	0.159	105.5	06/21/2019 19:42	WG1299388
Trichlorofluoromethane	U		0.0597	0.199	105.5	06/21/2019 19:42	WG1299388
1,2,3-Trichloropropane	U		0.608	2.03	105.5	06/21/2019 19:42	WG1299388
1,2,4-Trimethylbenzene	U		0.138	0.461	105.5	06/21/2019 19:42	WG1299388
1,2,3-Trimethylbenzene	U		0.137	0.457	105.5	06/21/2019 19:42	WG1299388
1,3,5-Trimethylbenzene	U		0.129	0.429	105.5	06/21/2019 19:42	WG1299388
Vinyl chloride	U		0.0814	0.272	105.5	06/21/2019 19:42	WG1299388
Xylenes, Total	U		0.570	1.90	105.5	06/21/2019 19:42	WG1299388
(S) Toluene-d8	103			75.0-131		06/21/2019 19:42	WG1299388
(S) 4-Bromofluorobenzene	99.0			67.0-138		06/21/2019 19:42	WG1299388
(S) 1,2-Dichloroethane-d4	83.1			70.0-130		06/21/2019 19:42	WG1299388

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	33.3	1	06/20/2019 20:35	WG1299486
Allyl chloride	U		1.70	5.67	1	06/20/2019 20:35	WG1299486
Benzene	U		0.331	1.10	1	06/20/2019 20:35	WG1299486
Bromobenzene	U		0.352	1.17	1	06/20/2019 20:35	WG1299486
Bromochloromethane	U		0.520	1.73	1	06/20/2019 20:35	WG1299486
Bromodichloromethane	U		0.380	1.27	1	06/20/2019 20:35	WG1299486
Bromoform	U		0.469	1.56	1	06/20/2019 20:35	WG1299486
Bromomethane	U		0.866	2.89	1	06/20/2019 20:35	WG1299486
n-Butylbenzene	U		0.361	1.20	1	06/20/2019 20:35	WG1299486
sec-Butylbenzene	U		0.365	1.22	1	06/20/2019 20:35	WG1299486
tert-Butylbenzene	U		0.399	1.33	1	06/20/2019 20:35	WG1299486
Carbon tetrachloride	U		0.379	1.26	1	06/20/2019 20:35	WG1299486
Chlorobenzene	U		0.348	1.16	1	06/20/2019 20:35	WG1299486
Chlorodibromomethane	U		0.327	1.09	1	06/20/2019 20:35	WG1299486
Chloroethane	U		0.453	1.51	1	06/20/2019 20:35	WG1299486
Chloroform	U		0.324	1.08	1	06/20/2019 20:35	WG1299486
Chloromethane	U		0.276	0.920	1	06/20/2019 20:35	WG1299486
2-Chlorotoluene	U		0.375	1.25	1	06/20/2019 20:35	WG1299486
4-Chlorotoluene	U		0.351	1.17	1	06/20/2019 20:35	WG1299486
1,2-Dibromo-3-Chloropropane	U		1.33	4.43	1	06/20/2019 20:35	WG1299486
1,2-Dibromoethane	U		0.381	1.27	1	06/20/2019 20:35	WG1299486
Dibromomethane	U		0.346	1.15	1	06/20/2019 20:35	WG1299486
1,2-Dichlorobenzene	U		0.349	1.16	1	06/20/2019 20:35	WG1299486
1,3-Dichlorobenzene	U		0.220	0.733	1	06/20/2019 20:35	WG1299486
1,4-Dichlorobenzene	U		0.274	0.913	1	06/20/2019 20:35	WG1299486
Dichlorodifluoromethane	U		0.551	1.84	1	06/20/2019 20:35	WG1299486
Dichlorofluoromethane	U		0.302	1.01	1	06/20/2019 20:35	WG1299486
1,1-Dichloroethane	U		0.259	0.863	1	06/20/2019 20:35	WG1299486
1,2-Dichloroethane	U		0.361	1.20	1	06/20/2019 20:35	WG1299486
1,1-Dichloroethene	U		0.398	1.33	1	06/20/2019 20:35	WG1299486
cis-1,2-Dichloroethene	U		0.260	0.867	1	06/20/2019 20:35	WG1299486
trans-1,2-Dichloroethene	U		0.396	1.32	1	06/20/2019 20:35	WG1299486
1,2-Dichloropropane	U		0.306	1.02	1	06/20/2019 20:35	WG1299486
1,1-Dichloropropene	U		0.352	1.17	1	06/20/2019 20:35	WG1299486
1,3-Dichloropropane	U		0.366	1.22	1	06/20/2019 20:35	WG1299486
cis-1,3-Dichloropropene	U		0.418	1.39	1	06/20/2019 20:35	WG1299486
trans-1,3-Dichloropropene	U		0.419	1.40	1	06/20/2019 20:35	WG1299486
2,2-Dichloropropane	U		0.321	1.07	1	06/20/2019 20:35	WG1299486
Ethylbenzene	U		0.384	1.28	1	06/20/2019 20:35	WG1299486
Ethyl ether	U		0.389	1.30	1	06/20/2019 20:35	WG1299486
Hexachloro-1,3-butadiene	U		0.256	0.853	1	06/20/2019 20:35	WG1299486
Isopropylbenzene	U		0.326	1.09	1	06/20/2019 20:35	WG1299486
p-Isopropyltoluene	U		0.350	1.17	1	06/20/2019 20:35	WG1299486
2-Butanone (MEK)	U		3.93	13.1	1	06/20/2019 20:35	WG1299486
Methylene Chloride	U		1.00	3.33	1	06/20/2019 20:35	WG1299486
4-Methyl-2-pentanone (MIBK)	U		2.14	7.13	1	06/20/2019 20:35	WG1299486
Methyl tert-butyl ether	U		0.367	1.22	1	06/20/2019 20:35	WG1299486
Naphthalene	U		1.00	3.33	1	06/20/2019 20:35	WG1299486
n-Propylbenzene	U		0.349	1.16	1	06/20/2019 20:35	WG1299486
Styrene	U		0.307	1.02	1	06/20/2019 20:35	WG1299486
1,1,1,2-Tetrachloroethane	U		0.385	1.28	1	06/20/2019 20:35	WG1299486
1,1,2,2-Tetrachloroethane	U		0.130	0.433	1	06/20/2019 20:35	WG1299486
1,1,2-Trichlorotrifluoroethane	U		0.303	1.01	1	06/20/2019 20:35	WG1299486
Tetrachloroethene	U		0.372	1.24	1	06/20/2019 20:35	WG1299486
Tetrahydrofuran	U		1.82	6.07	1	06/20/2019 20:35	WG1299486
Toluene	U		0.412	1.37	1	06/20/2019 20:35	WG1299486

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 06/14/19 00:00

L1109657

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichlorobenzene	U		0.230	0.767	1	06/20/2019 20:35	WG1299486
1,2,4-Trichlorobenzene	U		0.355	1.18	1	06/20/2019 20:35	WG1299486
1,1,1-Trichloroethane	U		0.319	1.06	1	06/20/2019 20:35	WG1299486
1,1,2-Trichloroethane	U		0.383	1.28	1	06/20/2019 20:35	WG1299486
Trichloroethene	U		0.398	1.33	1	06/20/2019 20:35	WG1299486
Trichlorofluoromethane	U		1.20	4.00	1	06/20/2019 20:35	WG1299486
1,2,3-Trichloropropane	U		0.807	2.69	1	06/20/2019 20:35	WG1299486
1,2,4-Trimethylbenzene	U		0.373	1.24	1	06/20/2019 20:35	WG1299486
1,2,3-Trimethylbenzene	U		0.321	1.07	1	06/20/2019 20:35	WG1299486
1,3,5-Trimethylbenzene	U		0.387	1.29	1	06/20/2019 20:35	WG1299486
Vinyl chloride	U		0.259	0.863	1	06/20/2019 20:35	WG1299486
Xylenes, Total	U		1.06	3.53	1	06/20/2019 20:35	WG1299486
(S) Toluene-d8	106			80.0-120		06/20/2019 20:35	WG1299486
(S) 4-Bromofluorobenzene	104			77.0-126		06/20/2019 20:35	WG1299486
(S) 1,2-Dichloroethane-d4	98.7			70.0-130		06/20/2019 20:35	WG1299486

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3423433-1 06/20/19 10:53

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L1109718-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1109718-06 06/20/19 10:53 • (DUP) R3423433-3 06/20/19 10:53

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	84.7	84.3	1	0.490		10

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3423433-2 06/20/19 10:53

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	85.0-115	



Method Blank (MB)

(MB) R3423711-3 06/21/19 11:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.343	1.14
Acrylonitrile	U		0.0475	0.158
Benzene	U		0.0100	0.0333
Bromobenzene	U		0.0263	0.0875
Bromodichloromethane	U		0.0197	0.0657
Bromoform	U		0.150	0.498
Bromomethane	U		0.0925	0.308
n-Butylbenzene	U		0.0960	0.320
sec-Butylbenzene	U		0.0633	0.211
tert-Butylbenzene	U		0.0388	0.129
Carbon tetrachloride	U		0.0270	0.0900
Chlorobenzene	U		0.0143	0.0478
Chlorodibromomethane	U		0.0113	0.0375
Chloroethane	U		0.0270	0.0900
Chloroform	U		0.0104	0.0346
Chloromethane	U		0.0348	0.116
2-Chlorotoluene	U		0.0230	0.0767
4-Chlorotoluene	U		0.0283	0.0942
1,2-Dibromo-3-Chloropropane	U		0.128	0.425
1,2-Dibromoethane	U		0.0131	0.0438
Dibromomethane	U		0.0250	0.0833
1,2-Dichlorobenzene	U		0.0363	0.121
1,3-Dichlorobenzene	U		0.0425	0.142
1,4-Dichlorobenzene	U		0.0493	0.164
Dichlorodifluoromethane	U		0.0205	0.0682
Dichlorofluoromethane	U		0.0233	0.0778
1,1-Dichloroethane	U		0.0144	0.0479
1,2-Dichloroethane	U		0.0119	0.0396
1,1-Dichloroethene	U		0.0125	0.0417
cis-1,2-Dichloroethene	U		0.0173	0.0575
trans-1,2-Dichloroethene	U		0.0358	0.119
1,2-Dichloropropane	U		0.0318	0.106
1,1-Dichloropropene	U		0.0175	0.0583
1,3-Dichloropropane	U		0.0438	0.146
cis-1,3-Dichloropropene	U		0.0170	0.0565
trans-1,3-Dichloropropene	U		0.0383	0.128
2,2-Dichloropropane	U		0.0198	0.0661
Di-isopropyl ether	U		0.00875	0.0292
Ethylbenzene	U		0.0133	0.0442
Ethyl ether	U		0.0106	0.0354

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3423711-3 06/21/19 11:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.318	1.06
2-Hexanone	U		0.250	0.833
Isopropylbenzene	U		0.0216	0.0719
p-Isopropyltoluene	U		0.0583	0.194
2-Butanone (MEK)	U		0.313	1.04
Methylene Chloride	U		0.166	0.553
4-Methyl-2-pentanone (MIBK)	U		0.250	0.833
Methyl tert-butyl ether	U		0.00738	0.0246
Naphthalene	U		0.0780	0.260
n-Propylbenzene	U		0.0295	0.0983
Styrene	U		0.0683	0.228
1,1,1,2-Tetrachloroethane	U		0.0125	0.0417
1,1,2,2-Tetrachloroethane	U		0.00975	0.0325
Tetrachloroethene	U		0.0175	0.0583
Tetrahydrofuran	U		0.0563	0.188
Toluene	U		0.0313	0.104
1,1,2-Trichlorotrifluoroethane	U		0.0169	0.0563
1,2,3-Trichlorobenzene	U		0.0156	0.0521
1,2,4-Trichlorobenzene	U		0.121	0.402
1,1,1-Trichloroethane	U		0.00688	0.0229
1,1,2-Trichloroethane	U		0.0221	0.0736
Trichloroethene	U		0.0100	0.0333
Trichlorofluoromethane	U		0.0125	0.0417
1,2,3-Trichloropropane	U		0.128	0.425
1,2,3-Trimethylbenzene	U		0.0288	0.0958
1,2,4-Trimethylbenzene	U		0.0290	0.0967
1,3,5-Trimethylbenzene	U		0.0270	0.0900
Vinyl chloride	U		0.0171	0.0569
Xylenes, Total	U		0.120	0.398
Allyl Chloride	U		0.363	1.21
(S) Toluene-d8	103			75.0-131
(S) 4-Bromofluorobenzene	97.0			67.0-138
(S) 1,2-Dichloroethane-d4	95.3			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3423711-1 06/21/19 09:46 • (LCSD) R3423711-2 06/21/19 10:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.625	0.621	0.654	99.3	105	10.0-160			5.18	31
Acrylonitrile	0.625	0.586	0.593	93.7	94.8	45.0-153			1.16	22
Benzene	0.125	0.124	0.119	99.2	95.2	70.0-123			4.07	20
Bromobenzene	0.125	0.113	0.105	90.4	84.2	73.0-121			7.02	20
Bromodichloromethane	0.125	0.129	0.125	103	99.9	73.0-121			2.89	20
Bromoform	0.125	0.119	0.120	95.0	96.2	64.0-132			1.23	20
Bromomethane	0.125	0.141	0.140	113	112	56.0-147			0.957	20
n-Butylbenzene	0.125	0.111	0.107	88.7	85.7	68.0-135			3.45	20
sec-Butylbenzene	0.125	0.113	0.104	90.1	83.3	74.0-130			7.84	20
tert-Butylbenzene	0.125	0.112	0.107	89.6	85.5	75.0-127			4.70	20
Carbon tetrachloride	0.125	0.129	0.131	104	105	66.0-128			1.21	20
Chlorobenzene	0.125	0.122	0.114	97.2	90.9	76.0-128			6.72	20
Chlorodibromomethane	0.125	0.127	0.123	102	98.3	74.0-127			3.29	20
Chloroethane	0.125	0.133	0.123	106	98.6	61.0-134			7.71	20
Chloroform	0.125	0.127	0.129	102	103	72.0-123			1.27	20
Chloromethane	0.125	0.0917	0.0856	73.3	68.5	51.0-138			6.82	20
2-Chlorotoluene	0.125	0.118	0.112	94.6	90.0	75.0-124			5.01	20
4-Chlorotoluene	0.125	0.118	0.112	94.2	90.0	75.0-124			4.58	20
1,2-Dibromo-3-Chloropropane	0.125	0.137	0.129	110	103	59.0-130			6.39	20
1,2-Dibromoethane	0.125	0.117	0.112	93.5	89.9	74.0-128			3.92	20
Dibromomethane	0.125	0.137	0.137	109	109	75.0-122			0.146	20
1,2-Dichlorobenzene	0.125	0.125	0.123	100	98.1	76.0-124			2.00	20
1,3-Dichlorobenzene	0.125	0.127	0.118	102	94.0	76.0-125			7.86	20
1,4-Dichlorobenzene	0.125	0.128	0.119	103	95.6	77.0-121			7.01	20
Dichlorodifluoromethane	0.125	0.156	0.154	125	123	43.0-156			1.39	20
Dichlorofluoromethane	0.125	0.130	0.131	104	105	65.0-137			0.274	20
1,1-Dichloroethane	0.125	0.121	0.118	96.8	94.8	70.0-127			2.11	20
1,2-Dichloroethane	0.125	0.115	0.119	92.3	94.9	65.0-131			2.75	20
1,1-Dichloroethene	0.125	0.128	0.118	103	94.0	65.0-131			8.90	20
cis-1,2-Dichloroethene	0.125	0.125	0.126	99.7	101	73.0-125			0.806	20
trans-1,2-Dichloroethene	0.125	0.126	0.128	101	103	71.0-125			1.88	20
1,2-Dichloropropane	0.125	0.114	0.110	91.1	88.2	74.0-125			3.21	20
1,1-Dichloropropene	0.125	0.137	0.135	109	108	73.0-125			1.02	20
1,3-Dichloropropane	0.125	0.133	0.129	106	104	80.0-125			2.60	20
cis-1,3-Dichloropropene	0.125	0.133	0.126	107	101	76.0-127			5.20	20
trans-1,3-Dichloropropene	0.125	0.115	0.108	91.8	86.3	73.0-127			6.17	20
2,2-Dichloropropane	0.125	0.117	0.118	94.0	94.4	59.0-135			0.482	20
Di-isopropyl ether	0.125	0.0832	0.0828	66.6	66.2	60.0-136			0.517	20
Ethylbenzene	0.125	0.123	0.116	98.4	92.7	74.0-126			5.99	20
Ethyl ether	0.125	0.105	0.104	83.7	83.5	64.0-137			0.222	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3423711-1 06/21/19 09:46 • (LCSD) R3423711-2 06/21/19 10:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.153	0.152	122	122	57.0-150			0.402	20
2-Hexanone	0.625	0.520	0.513	83.2	82.1	54.0-147			1.28	20
Isopropylbenzene	0.125	0.111	0.110	88.7	87.9	72.0-127			0.916	20
p-Isopropyltoluene	0.125	0.113	0.105	90.6	84.3	72.0-133			7.15	20
2-Butanone (MEK)	0.625	0.564	0.564	90.2	90.2	30.0-160			0.00753	24
Methylene Chloride	0.125	0.120	0.115	96.0	91.8	68.0-123			4.42	20
4-Methyl-2-pentanone (MIBK)	0.625	0.444	0.445	71.0	71.1	56.0-143			0.240	20
Methyl tert-butyl ether	0.125	0.127	0.128	102	102	66.0-132			0.636	20
Naphthalene	0.125	0.141	0.138	113	110	59.0-130			2.68	20
n-Propylbenzene	0.125	0.112	0.106	89.9	84.7	74.0-126			5.90	20
Styrene	0.125	0.107	0.104	85.7	83.6	72.0-127			2.53	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.113	89.4	90.5	74.0-129			1.24	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.109	87.7	87.0	68.0-128			0.771	20
Tetrachloroethene	0.125	0.154	0.140	123	112	70.0-136			9.06	20
Tetrahydrofuran	0.125	0.113	0.107	90.1	85.4	37.0-146			5.28	24
Toluene	0.125	0.118	0.117	94.5	93.7	75.0-121			0.866	20
1,1,2-Trichlorotrifluoroethane	0.125	0.122	0.141	97.4	113	61.0-139			14.8	20
1,2,3-Trichlorobenzene	0.125	0.145	0.140	116	112	59.0-139			3.71	20
1,2,4-Trichlorobenzene	0.125	0.127	0.123	102	98.1	62.0-137			3.87	20
1,1,1-Trichloroethane	0.125	0.126	0.129	101	103	69.0-126			2.52	20
1,1,2-Trichloroethane	0.125	0.131	0.129	104	103	78.0-123			1.01	20
Trichloroethene	0.125	0.153	0.150	122	120	76.0-126			1.94	20
Trichlorofluoromethane	0.125	0.144	0.146	116	117	61.0-142			1.19	20
1,2,3-Trichloropropane	0.125	0.123	0.122	98.8	97.6	67.0-129			1.18	20
1,2,3-Trimethylbenzene	0.125	0.111	0.106	88.4	84.5	74.0-124			4.54	20
1,2,4-Trimethylbenzene	0.125	0.112	0.106	89.4	85.0	70.0-126			5.05	20
1,3,5-Trimethylbenzene	0.125	0.111	0.105	88.9	84.0	73.0-127			5.72	20
Vinyl chloride	0.125	0.131	0.129	105	103	63.0-134			1.79	20
Xylenes, Total	0.375	0.357	0.343	95.2	91.5	72.0-127			4.00	20
Allyl chloride	0.625	0.650	0.638	104	102	70.0-131			1.82	20
(S) Toluene-d8				103	99.9	75.0-131				
(S) 4-Bromofluorobenzene				100	101	67.0-138				
(S) 1,2-Dichloroethane-d4				91.8	96.8	70.0-130				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Method Blank (MB)

(MB) R3423269-3 06/20/19 14:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	33.3
Benzene	U		0.331	1.10
Bromobenzene	U		0.352	1.17
Bromodichloromethane	U		0.380	1.27
Bromochloromethane	U		0.520	1.73
Bromoform	U		0.469	1.56
Bromomethane	U		0.866	2.89
n-Butylbenzene	U		0.361	1.20
sec-Butylbenzene	U		0.365	1.22
tert-Butylbenzene	U		0.399	1.33
Carbon tetrachloride	U		0.379	1.26
Chlorobenzene	U		0.348	1.16
Chlorodibromomethane	U		0.327	1.09
Chloroethane	U		0.453	1.51
Chloroform	U		0.324	1.08
Chloromethane	U		0.276	0.920
2-Chlorotoluene	U		0.375	1.25
4-Chlorotoluene	U		0.351	1.17
1,2-Dibromo-3-Chloropropane	U		1.33	4.43
1,2-Dibromoethane	U		0.381	1.27
Dibromomethane	U		0.346	1.15
1,2-Dichlorobenzene	U		0.349	1.16
1,3-Dichlorobenzene	U		0.220	0.733
1,4-Dichlorobenzene	U		0.274	0.913
Dichlorodifluoromethane	U		0.551	1.84
Dichlorofluoromethane	U		0.302	1.01
1,1-Dichloroethane	U		0.259	0.863
1,2-Dichloroethane	U		0.361	1.20
1,1-Dichloroethene	U		0.398	1.33
cis-1,2-Dichloroethene	U		0.260	0.867
trans-1,2-Dichloroethene	U		0.396	1.32
1,2-Dichloropropane	U		0.306	1.02
1,1-Dichloropropene	U		0.352	1.17
1,3-Dichloropropane	U		0.366	1.22
cis-1,3-Dichloropropene	U		0.418	1.39
trans-1,3-Dichloropropene	U		0.419	1.40
2,2-Dichloropropane	U		0.321	1.07
Ethylbenzene	U		0.384	1.28
Ethyl ether	U		0.389	1.30
Hexachloro-1,3-butadiene	U		0.256	0.853

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3423269-3 06/20/19 14:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Isopropylbenzene	U		0.326	1.09
p-Isopropyltoluene	U		0.350	1.17
2-Butanone (MEK)	U		3.93	13.1
Methylene Chloride	U		1.00	3.33
4-Methyl-2-pentanone (MIBK)	U		2.14	7.13
Methyl tert-butyl ether	U		0.367	1.22
Naphthalene	U		1.00	3.33
n-Propylbenzene	U		0.349	1.16
Styrene	U		0.307	1.02
1,1,1,2-Tetrachloroethane	U		0.385	1.28
1,1,2,2-Tetrachloroethane	U		0.130	0.433
Tetrachloroethene	U		0.372	1.24
Tetrahydrofuran	U		1.82	6.07
Toluene	U		0.412	1.37
1,1,2-Trichlorotrifluoroethane	U		0.303	1.01
1,2,3-Trichlorobenzene	U		0.230	0.767
1,2,4-Trichlorobenzene	U		0.355	1.18
1,1,1-Trichloroethane	U		0.319	1.06
1,1,2-Trichloroethane	U		0.383	1.28
Trichloroethene	U		0.398	1.33
Trichlorofluoromethane	U		1.20	4.00
1,2,3-Trichloropropane	U		0.807	2.69
1,2,3-Trimethylbenzene	U		0.321	1.07
1,2,4-Trimethylbenzene	U		0.373	1.24
1,3,5-Trimethylbenzene	U		0.387	1.29
Vinyl chloride	U		0.259	0.863
Xylenes, Total	U		1.06	3.53
Allyl Chloride	U		1.70	5.67
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	99.8			77.0-126
(S) 1,2-Dichloroethane-d4	96.5			70.0-130

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3423269-1 06/20/19 13:35 • (LCSD) R3423269-2 06/20/19 13:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	125	114	122	91.2	97.6	19.0-160			6.83	27
Benzene	25.0	25.0	26.8	100	107	70.0-123			6.98	20



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3423269-1 06/20/19 13:35 • (LCSD) R3423269-2 06/20/19 13:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	25.0	24.8	26.3	99.4	105	73.0-121			5.76	20
Bromodichloromethane	25.0	23.1	23.9	92.4	95.5	75.0-120			3.23	20
Bromochloromethane	25.0	25.8	25.9	103	104	76.0-122			0.407	20
Bromoform	25.0	26.7	25.6	107	102	68.0-132			4.28	20
Bromomethane	25.0	27.1	25.6	108	102	10.0-160			5.69	25
n-Butylbenzene	25.0	24.2	25.2	96.9	101	73.0-125			4.10	20
sec-Butylbenzene	25.0	24.5	25.4	97.9	102	75.0-125			3.69	20
tert-Butylbenzene	25.0	25.7	26.5	103	106	76.0-124			3.03	20
Carbon tetrachloride	25.0	25.9	27.8	103	111	68.0-126			7.32	20
Chlorobenzene	25.0	26.2	26.4	105	105	80.0-121			0.560	20
Chlorodibromomethane	25.0	25.9	25.7	104	103	77.0-125			0.879	20
Chloroethane	25.0	25.8	25.2	103	101	47.0-150			2.68	20
Chloroform	25.0	24.8	26.0	99.2	104	73.0-120			4.67	20
Chloromethane	25.0	20.3	20.8	81.0	83.2	41.0-142			2.69	20
2-Chlorotoluene	25.0	25.8	26.5	103	106	76.0-123			2.61	20
4-Chlorotoluene	25.0	26.0	26.7	104	107	75.0-122			2.55	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	24.8	105	99.2	58.0-134			5.33	20
1,2-Dibromoethane	25.0	27.6	26.9	110	108	80.0-122			2.61	20
Dibromomethane	25.0	24.5	25.9	98.0	104	80.0-120			5.70	20
1,2-Dichlorobenzene	25.0	26.5	26.2	106	105	79.0-121			1.11	20
1,3-Dichlorobenzene	25.0	25.6	27.1	103	109	79.0-120			5.67	20
1,4-Dichlorobenzene	25.0	26.3	26.9	105	108	79.0-120			2.24	20
Dichlorodifluoromethane	25.0	27.8	30.3	111	121	51.0-149			8.88	20
Dichlorofluoromethane	25.0	25.7	27.7	103	111	65.0-133			7.75	20
1,1-Dichloroethane	25.0	25.6	25.4	103	101	70.0-126			1.04	20
1,2-Dichloroethane	25.0	24.3	27.4	97.1	110	70.0-128			12.3	20
1,1-Dichloroethene	25.0	24.7	25.7	98.8	103	71.0-124			3.82	20
cis-1,2-Dichloroethene	25.0	24.3	25.7	97.1	103	73.0-120			5.55	20
trans-1,2-Dichloroethene	25.0	25.1	25.7	100	103	73.0-120			2.52	20
1,2-Dichloropropane	25.0	25.5	26.0	102	104	77.0-125			2.15	20
1,1-Dichloropropene	25.0	26.4	26.9	106	108	74.0-126			1.95	20
1,3-Dichloropropane	25.0	26.4	25.2	105	101	80.0-120			4.62	20
cis-1,3-Dichloropropene	25.0	26.4	27.3	105	109	80.0-123			3.51	20
trans-1,3-Dichloropropene	25.0	23.7	24.1	94.6	96.6	78.0-124			2.03	20
2,2-Dichloropropane	25.0	23.7	23.8	94.9	95.1	58.0-130			0.271	20
Ethylbenzene	25.0	26.3	27.2	105	109	79.0-123			3.11	20
Ethyl ether	25.0	24.4	26.2	97.5	105	66.0-130			7.30	20
Hexachloro-1,3-butadiene	25.0	21.2	21.8	84.6	87.1	54.0-138			2.89	20
Isopropylbenzene	25.0	25.4	25.5	101	102	76.0-127			0.566	20
p-Isopropyltoluene	25.0	24.7	25.2	98.7	101	76.0-125			2.22	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3423269-1 06/20/19 13:35 • (LCSD) R3423269-2 06/20/19 13:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	125	133	136	107	109	44.0-160			2.30	20
Methylene Chloride	25.0	23.8	25.6	95.2	102	67.0-120			7.21	20
4-Methyl-2-pentanone (MIBK)	125	129	126	103	101	68.0-142			2.43	20
Methyl tert-butyl ether	25.0	25.2	25.4	101	102	68.0-125			1.15	20
Naphthalene	25.0	22.3	23.3	89.2	93.3	54.0-135			4.55	20
n-Propylbenzene	25.0	25.2	26.1	101	104	77.0-124			3.27	20
Styrene	25.0	24.7	25.5	98.7	102	73.0-130			3.24	20
1,1,1,2-Tetrachloroethane	25.0	27.9	28.5	111	114	75.0-125			2.23	20
1,1,2,2-Tetrachloroethane	25.0	26.6	26.9	107	108	65.0-130			0.905	20
Tetrachloroethene	25.0	26.4	26.3	106	105	72.0-132			0.659	20
Tetrahydrofuran	25.0	23.6	23.3	94.2	93.2	41.0-146			1.12	20
Toluene	25.0	26.4	25.8	105	103	79.0-120			2.25	20
1,1,2-Trichlorotrifluoroethane	25.0	28.0	27.5	112	110	69.0-132			1.78	20
1,2,3-Trichlorobenzene	25.0	23.0	23.2	92.0	92.8	50.0-138			0.945	20
1,2,4-Trichlorobenzene	25.0	23.1	24.0	92.4	95.8	57.0-137			3.65	20
1,1,1-Trichloroethane	25.0	24.6	25.9	98.4	104	73.0-124			5.06	20
1,1,2-Trichloroethane	25.0	24.8	25.4	99.4	101	80.0-120			2.05	20
Trichloroethene	25.0	25.5	25.5	102	102	78.0-124			0.312	20
Trichlorofluoromethane	25.0	27.3	28.5	109	114	59.0-147			4.31	20
1,2,3-Trichloropropane	25.0	24.1	24.1	96.2	96.5	73.0-130			0.298	20
1,2,3-Trimethylbenzene	25.0	25.2	25.4	101	102	77.0-120			0.724	20
1,2,4-Trimethylbenzene	25.0	25.3	25.3	101	101	76.0-121			0.200	20
1,3,5-Trimethylbenzene	25.0	27.1	27.0	109	108	76.0-122			0.538	20
Vinyl chloride	25.0	25.8	27.3	103	109	67.0-131			5.55	20
Xylenes, Total	75.0	78.2	78.4	104	105	79.0-123			0.255	20
Allyl chloride	125	125	135	100	108	72.0-128			7.52	20
(S) Toluene-d8				102	100	80.0-120				
(S) 4-Bromofluorobenzene				101	96.9	77.0-126				
(S) 1,2-Dichloroethane-d4				105	91.4	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

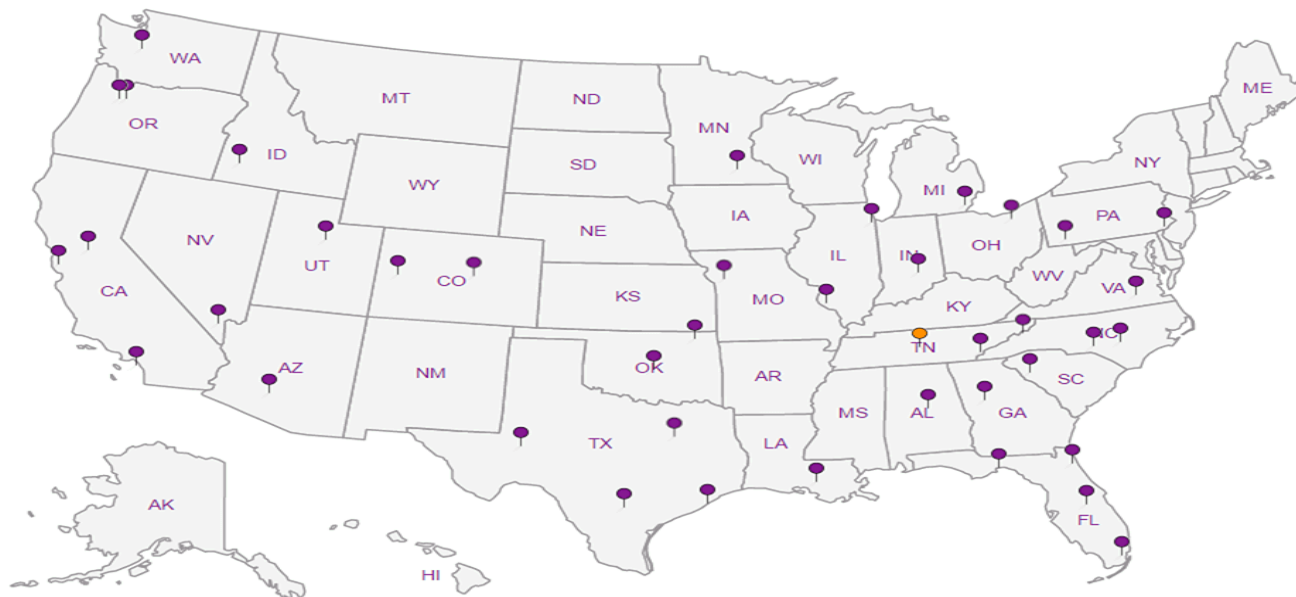
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of 1

MN: 612-607-1700 WI: 920-469-2438



Company Name: **RAMBOLL**
 Branch/Location: **BROOKFIELD WI**
 Project Contact: **SUSAN PETROFSKE**
 Phone: **262 901 3501**
 Project Number: **1690005819**
 Project Name: **ONE HOUR VALET**
 Project State: **WISCONSIN**
 Sampled By (Print): **PAUL LINOQUIST**
 Sampled By (Sign): *Paul Linoquist*
 PO #:

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

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

Y/N	Pick Letter	Analysis Requested	Matrix
	F	TOTAL VOCs	S
X			S
X			S
X			S
X			S
X			S
X			S
X			S
X			W

Quote #: **00059220**
 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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analysis Requested	Y/N	Pick Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
		DATE	TIME							
	WC-1 20190614	6/14/19	1205	S		X		5-DAY TURN	L1169657-01	
	WC-2 20190614		1215	S		X			02	
	WC-3 20190614		1230	S		X			03	
	WC-4 20190614		1235	S		X			04	
	WC-5 20190614		1245	S		X			05	
	WC-6 20190614	6/14/19	1255	S		X			06	
	TRIP BLANK			W		X			07	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: **5-DAY TURN**

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

Relinquished By: *Paul Linoquist* Date/Time: **6/14/19 1420** Received By: *Doreen* Date/Time: **6/14/19 1420**

Relinquished By: *Doreen* Date/Time: **6/14/19 1630** Received By: **FEDEX** Date/Time: **6/14/19 1630**


Relinquished By: Date/Time: Received By: Date/Time:

Relinquished By: Date/Time: Received By: Date/Time:

Relinquished By: Date/Time: Received By: *JA* Date/Time: **6/15/19 8:15**

PACE Project No. **A30F**
 Receipt Temp = 0.6-3=0.3°C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal **Present / Not Present (Intact) / Not Intact**

**Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form**

Client:	SDG#:	L1109657	
Cooler Received/Opened On: 6/15/19	Temperature:	0.3°C	
Received By: Jordan Harris			
Signature: 			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		/	
COC Signed / Accurate?		/	
Bottles arrive intact?		/	
Correct bottles used?		/	
Sufficient volume sent?		/	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

August 14, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 FMR 1-HR VALET CLEA
Pace Project No.: 40192538

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 2019. 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

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

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SAMPLE SUMMARY

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40192538001	HS-1R	Solid	08/06/19 09:50	08/07/19 09:20
40192538002	HS-4R	Solid	08/06/19 10:00	08/07/19 09:20
40192538003	HS-3R	Solid	08/06/19 10:05	08/07/19 09:20
40192538004	HS-2R	Solid	08/06/19 10:10	08/07/19 09:20
40192538005	HS-5R	Solid	08/06/19 13:10	08/07/19 09:20

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SAMPLE ANALYTE COUNT

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40192538001	HS-1R	EPA 8082	BDS	10
		ASTM D2974-87	MSC	1
40192538002	HS-4R	EPA 8082	BDS	10
		ASTM D2974-87	MSC	1
40192538003	HS-3R	EPA 8082	BDS	10
		ASTM D2974-87	MSC	1
40192538004	HS-2R	EPA 8082	BDS	10
		ASTM D2974-87	MSC	1
40192538005	HS-5R	EPA 8082	BDS	10
		ASTM D2974-87	SKW	1

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SUMMARY OF DETECTION

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40192538001	HS-1R					
ASTM D2974-87	Percent Moisture	14.9	%	0.10	08/10/19 13:35	
40192538002	HS-4R					
ASTM D2974-87	Percent Moisture	18.3	%	0.10	08/10/19 13:35	
40192538003	HS-3R					
ASTM D2974-87	Percent Moisture	18.5	%	0.10	08/10/19 13:35	
40192538004	HS-2R					
ASTM D2974-87	Percent Moisture	15.6	%	0.10	08/10/19 13:35	
40192538005	HS-5R					
ASTM D2974-87	Percent Moisture	14.5	%	0.10	08/13/19 15:42	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FMR 1-HR VALET CLEA
Pace Project No.: 40192538

Sample: HS-1R **Lab ID: 40192538001** Collected: 08/06/19 09:50 Received: 08/07/19 09:20 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
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	12674-11-2	
PCB-1221 (Aroclor 1221)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	11104-28-2	
PCB-1232 (Aroclor 1232)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	11141-16-5	
PCB-1242 (Aroclor 1242)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	53469-21-9	
PCB-1248 (Aroclor 1248)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	12672-29-6	
PCB-1254 (Aroclor 1254)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	11097-69-1	
PCB-1260 (Aroclor 1260)	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	11096-82-5	
PCB, Total	<29.3	ug/kg	58.5	29.3	1	08/08/19 10:26	08/09/19 09:01	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	57-115		1	08/08/19 10:26	08/09/19 09:01	877-09-8	
Decachlorobiphenyl (S)	71	%	47-97		1	08/08/19 10:26	08/09/19 09:01	2051-24-3	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.9	%	0.10	0.10	1		08/10/19 13:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

Sample: HS-4R **Lab ID: 40192538002** Collected: 08/06/19 10:00 Received: 08/07/19 09:20 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
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	12674-11-2	
PCB-1221 (Aroclor 1221)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	11104-28-2	
PCB-1232 (Aroclor 1232)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	11141-16-5	
PCB-1242 (Aroclor 1242)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	53469-21-9	
PCB-1248 (Aroclor 1248)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	12672-29-6	
PCB-1254 (Aroclor 1254)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	11097-69-1	
PCB-1260 (Aroclor 1260)	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	11096-82-5	
PCB, Total	<30.6	ug/kg	61.2	30.6	1	08/08/19 10:26	08/09/19 09:23	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	57-115		1	08/08/19 10:26	08/09/19 09:23	877-09-8	
Decachlorobiphenyl (S)	73	%	47-97		1	08/08/19 10:26	08/09/19 09:23	2051-24-3	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.3	%	0.10	0.10	1		08/10/19 13:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FMR 1-HR VALET CLEA
Pace Project No.: 40192538

Sample: HS-3R **Lab ID: 40192538003** Collected: 08/06/19 10:05 Received: 08/07/19 09:20 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
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	12674-11-2	
PCB-1221 (Aroclor 1221)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	11104-28-2	
PCB-1232 (Aroclor 1232)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	11141-16-5	
PCB-1242 (Aroclor 1242)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	53469-21-9	
PCB-1248 (Aroclor 1248)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	12672-29-6	
PCB-1254 (Aroclor 1254)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	11097-69-1	
PCB-1260 (Aroclor 1260)	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	11096-82-5	
PCB, Total	<30.8	ug/kg	61.5	30.8	1	08/08/19 10:26	08/09/19 09:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	57-115		1	08/08/19 10:26	08/09/19 09:44	877-09-8	
Decachlorobiphenyl (S)	76	%	47-97		1	08/08/19 10:26	08/09/19 09:44	2051-24-3	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.5	%	0.10	0.10	1		08/10/19 13:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

Sample: HS-2R **Lab ID: 40192538004** Collected: 08/06/19 10:10 Received: 08/07/19 09:20 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
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	12674-11-2	
PCB-1221 (Aroclor 1221)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	11104-28-2	
PCB-1232 (Aroclor 1232)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	11141-16-5	
PCB-1242 (Aroclor 1242)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	53469-21-9	
PCB-1248 (Aroclor 1248)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	12672-29-6	
PCB-1254 (Aroclor 1254)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	11097-69-1	
PCB-1260 (Aroclor 1260)	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	11096-82-5	
PCB, Total	<29.7	ug/kg	59.4	29.7	1	08/08/19 10:26	08/09/19 10:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	57-115		1	08/08/19 10:26	08/09/19 10:06	877-09-8	
Decachlorobiphenyl (S)	74	%	47-97		1	08/08/19 10:26	08/09/19 10:06	2051-24-3	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.6	%	0.10	0.10	1		08/10/19 13:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

Sample: HS-5R **Lab ID: 40192538005** Collected: 08/06/19 13:10 Received: 08/07/19 09:20 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
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	12674-11-2	
PCB-1221 (Aroclor 1221)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	11104-28-2	
PCB-1232 (Aroclor 1232)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	11141-16-5	
PCB-1242 (Aroclor 1242)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	53469-21-9	
PCB-1248 (Aroclor 1248)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	12672-29-6	
PCB-1254 (Aroclor 1254)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	11097-69-1	
PCB-1260 (Aroclor 1260)	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	11096-82-5	
PCB, Total	<29.2	ug/kg	58.4	29.2	1	08/08/19 10:26	08/09/19 10:28	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	57-115		1	08/08/19 10:26	08/09/19 10:28	877-09-8	
Decachlorobiphenyl (S)	72	%	47-97		1	08/08/19 10:26	08/09/19 10:28	2051-24-3	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.5	%	0.10	0.10	1		08/13/19 15:42		

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QUALITY CONTROL DATA

Project: 1690005819 FMR 1-HR VALET CLEA
Pace Project No.: 40192538

QC Batch: 330031 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40192538001, 40192538002, 40192538003, 40192538004, 40192538005

METHOD BLANK: 1914928 Matrix: Solid
Associated Lab Samples: 40192538001, 40192538002, 40192538003, 40192538004, 40192538005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	08/08/19 23:57	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	08/08/19 23:57	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	08/08/19 23:57	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	08/08/19 23:57	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	08/08/19 23:57	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	08/08/19 23:57	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	08/08/19 23:57	
Decachlorobiphenyl (S)	%	80	47-97	08/08/19 23:57	
Tetrachloro-m-xylene (S)	%	76	57-115	08/08/19 23:57	

LABORATORY CONTROL SAMPLE: 1914929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	378	76	64-115	
Decachlorobiphenyl (S)	%			82	47-97	
Tetrachloro-m-xylene (S)	%			79	57-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1914930 1914931

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40192566001 Result	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	<30.2			<30.2	<30.2					20
PCB-1221 (Aroclor 1221)	ug/kg	<30.2			<30.2	<30.2					20
PCB-1232 (Aroclor 1232)	ug/kg	<30.2			<30.2	<30.2					20
PCB-1242 (Aroclor 1242)	ug/kg	48.8J			63.0	53.3J					20
PCB-1248 (Aroclor 1248)	ug/kg	<30.2			<30.2	<30.2					20
PCB-1254 (Aroclor 1254)	ug/kg	<30.2			<30.2	<30.2					20
PCB-1260 (Aroclor 1260)	ug/kg	<30.2	604	604	446	443	74	73	49-115	1	20
Decachlorobiphenyl (S)	%						80	79	47-97		
Tetrachloro-m-xylene (S)	%						81	80	57-115		

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

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QUALITY CONTROL DATA

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

QC Batch: 330496

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40192538005

SAMPLE DUPLICATE: 1917361

Parameter	Units	40192546001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.7	6.8	0	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 FMR 1-HR VALET CLEA

Pace Project No.: 40192538

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 FMR 1-HR VALET CLEA
Pace Project No.: 40192538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40192538001	HS-1R	EPA 3541	330031	EPA 8082	330050
40192538002	HS-4R	EPA 3541	330031	EPA 8082	330050
40192538003	HS-3R	EPA 3541	330031	EPA 8082	330050
40192538004	HS-2R	EPA 3541	330031	EPA 8082	330050
40192538005	HS-5R	EPA 3541	330031	EPA 8082	330050
40192538001	HS-1R	ASTM D2974-87	330244		
40192538002	HS-4R	ASTM D2974-87	330244		
40192538003	HS-3R	ASTM D2974-87	330244		
40192538004	HS-2R	ASTM D2974-87	330244		
40192538005	HS-5R	ASTM D2974-87	330496		

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 25Apr2018

Document No.:
F-GB-C-031-Rev.07

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Sam ball

Project #:

WO#: 40192538

40192538

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

Tracking #: 2276.080619

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

Cooler Temperature Uncorr: 22.1 /Corr: _____

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

Person examining contents:
Date: 8/7/19
Initials: PG

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>Only CC</u>	<u>8/7/19 PG</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No mail, invoice</u>	<u>8/7/19 PG</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix: <u>S</u>			
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: 8/7/19
Page 2 of 2
Page 18 of 18

APPENDIX C

SOIL BORING AND GROUNDWATER INVESTIGATION DERIVED WASTE MANIFESTS



Please print or type

Form Approved OMB No. 2054-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator ID Number W I D 0 5 3 6 8 4 4 7 8	2 Page 1 of 1	3 Emergency Response Phone (877) 818-0087	4. Manifest Tracking Number 001731400 VES		
5. Generator's Name and Mailing Address MARQUETTE UNIVERSITY ACADEMIC SUPPORT FACILITY, 110 P.O. BOX 1881 MILWAUKEE, WI 53201			Generator's Site Address (if different than mailing address) 1214 WEST WELLS STREET MILWAUKEE, WI 53233				
Generator's Phone 414 289-8411							
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS					U.S. EPA ID Number N J D 0 8 0 6 3 1 3 6 5		
7. Transporter 2 Company Name					U.S. EPA ID Number		
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS, W124 N9451 BOUNDARY MENOMONEE FALLS, WI 53051					U.S. EPA ID Number		
Facility's Phone 262 755-6655					W I D 0 0 3 9 6 7 1 4 8		
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any)).	10. Containers		11. Total Quantity	12. Unit Wt. %	13. Waste Codes
	X	NA3077, HAZARDOUS WASTE, SOLID, non, (TRICHLOROETHYLENE), 9, III, RQ (F002)	Z	DM	239 137	P	F002
14. Special Handling Instructions and Additional Information ER Service Contracted by VESTS - WIFE OUN6190 - Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf - 1) ERG 171 W 474417 A CWDTWISOL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Dennis Daye				Signature 		Month Day Year 6/19/2019	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Paul Meier				Signature 		Month Day Year 06/19/19	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indicator Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator)					Manifest Reference Number		
Facility's Phone					U.S. EPA ID Number		
18c. Signature of Alternate Facility (or Generator)							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
H141							
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name Asmine Orlon				Signature 		Month Day Year 6/20/19	



Please print or type

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator ID Number W I D 0 5 3 6 8 4 4 7 8	2 Page 1 of 1	3 Emergency Response Phone (877) 819-0087	4. Manifest Tracking Number 001690446 VES				
5 Generator's Name and Mailing Address DENNIS DAYE MARQUETTE UNIVERSITY ACADEMIC SUPPORT FACILITY, 110 P O BOX 1881 MILWAUKEE, WI 53201 Gen. Mgr's Phone 414 288-9411				Generator's Site Address (if different than mailing address) 1214 WEST WELLS STREET MILWAUKEE, WI 53233					
6 Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS				U.S. EPA ID Number N I D 0 8 0 6 3 1 3 6 9					
7 Transporter 2 Company Name				U.S. EPA ID Number					
8 Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS, W124 N9431 BOUNDARY MENASHOON FALLS, WI 53051				U.S. EPA ID Number W I D 0 0 3 9 6 7 1 4 8					
Facility's Phone 262 255-6655									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol	13. Waste Codes			
		No	Type						
		X	1 NA3077, HAZARDOUS WASTE, SOLID, a.o.s., (TETRACHLOROETHYLENE), 9, III, RQ (FOOT)	2	D M	1042	P S	FOOT	
			2						
			3						
	4								
14 Special Handling Instructions and Additional Information ER Service Contracted by VESTS - WIFE CR16190 - Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf - 1) ERG 171 W 555475 A CWDTWILIQ									
15 GENERATOR'S/OFFEROR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator), or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name Dennis Daye				Signature 		Month Day Year 18 08 19			
16 International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of export: _____ Date leaving U.S.: _____									
17 Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Paul Mee				Signature 		Month Day Year 08 21 19			
Transporter 2 Printed/Typed Name				Signature		Month Day Year			
18 Discrepancy									
18a Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b Alternate Facility (or Generator)				U.S. EPA ID Number					
Facility's Phone									
18c Signature of Alternate Facility (or Generator)						Month Day Year			
19 Hazardous Waste Report Management Method Codes (see codes for hazardous waste treatment, disposal, and recycling systems)									
1 H141		2		3		4			
20 Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Jasmine O'Brien				Signature 		Month Day Year 18 12 19			



Please print or type.

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number W I D 0 5 3 6 8 4 4 7 8	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Manifest Tracking Number 001852280 VES		
5. Generator's Name and Mailing Address MARQUETTE UNIVERSITY ACADEMIC SUPPORT FACILITY, 110 P O BOX 1801 MILWAUKEE, WI 53201 Generator's Phone: 414 233-8411		Generator's Site Address (if different than mailing address) 1214 WEST WELLS STREET MILWAUKEE, WI 53233					
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS				U.S. EPA ID Number N I D 0 8 0 6 3 1 3 6 9			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS, W124 N9451 BOUNDARY MENOMONEE FALLS, WI 53051				U.S. EPA ID Number W I D 0 0 3 9 6 7 1 4 8			
Facility's Phone: 262 755-6655							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	NA3077, HAZARDOUS WASTE, SOLID, non, (TETRACHLOROETHYLENE), 9, III, RQ (F002)	1	DM	152	P	F002	
X	NA3077, HAZARDOUS WASTE, SOLID, non, (TRICHLOROETHYLENE), 9, III, RQ (F002)	1	DM	87	P	F002	
3.							
4.							
14. Special Handling Instructions and Additional Information ER Service Contracted by VESTS - WIFE C036190 - Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. - I) ERG:171 W:555475 A:CWDTWILIQ 2) ERG:171 W:474417 A:CWDTWISCL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Dennis Daye				Signature 		Month Day Year 13 17 20	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Paul Meer				Signature 		Month Day Year 13 17 20	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1	2	3	4				
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

APPENDIX D

CONSTRUCTION GRADING PLAN AND CONSTRUCTION SOIL WASTE DISPOSAL SUMMARY

Appendix D - Construction Soil Waste Disposal Summary

Waste Management Waste Profile Number V131883WI

Former One-Hour Valet Dry Cleaners

1214 West Wells Street, Milwaukee, Wisconsin

Ramboll Project No. 1690005819

Date	Manifest #	Ticket #	Facility	Carrier	Vehicle	Material Quantity (Tons)
8/1/2019	8378201	1766027	Orchard Ridge RDF	ROCK HUNTER	7	20.35
8/1/2019	8378200	1766030	Orchard Ridge RDF	STERMAN SERVICES	671	19.84
8/1/2019	8378202	1766033	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	17.48
8/1/2019	8378199	1766070	Orchard Ridge RDF	STERMAN SERVICES	671	15.52
8/1/2019	8371898	1766074	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	17.37
8/1/2019	8378197	1766106	Orchard Ridge RDF	FISCHER TRK	109	15.65
8/1/2019	8378196	1766116	Orchard Ridge RDF	STERMAN SERVICES	671	17.33
8/1/2019	8378194	1766123	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	16.36
8/1/2019	8378195	1766125	Orchard Ridge RDF	FISCHER TRK	99	17.38
8/1/2019	8378193	1766152	Orchard Ridge RDF	FISCHER TRK	109	18.42
8/1/2019	8378192	1766162	Orchard Ridge RDF	STERMAN SERVICES	671	18.81
8/1/2019	8378191	1766171	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	15.89
8/1/2019	8378190	1766176	Orchard Ridge RDF	FISCHER TRK	99	16.51
8/1/2019	8378189	1766202	Orchard Ridge RDF	FISCHER TRK	109	20.16
8/1/2019	8378188	1766218	Orchard Ridge RDF	STERMAN SERVICES	671	19.34
8/1/2019	837187	1766223	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	16.52
8/1/2019	8378186	1766231	Orchard Ridge RDF	FISCHER TRK	99	18.37
8/1/2019	8378185	1766259	Orchard Ridge RDF	FISCHER TRK	109	19.44
8/1/2019	8378184	1766270	Orchard Ridge RDF	STERMAN SERVICES	671	19.19
8/1/2019	8378183	1766276	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	19.23
8/1/2019	8378182	1766309	Orchard Ridge RDF	FISCHER TRK	99	20.57
8/1/2019	8378181	1766323	Orchard Ridge RDF	FISCHER TRK	109	19.51

Appendix D - Construction Soil Waste Disposal Summary

Waste Management Waste Profile Number V131883WI

Former One-Hour Valet Dry Cleaners

1214 West Wells Street, Milwaukee, Wisconsin

Ramboll Project No. 1690005819

Date	Manifest #	Ticket #	Facility	Carrier	Vehicle	Material Quantity (Tons)
8/1/2019	8378179	1766347	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	18.1
8/1/2019	8378180	1766348	Orchard Ridge RDF	STERMAN SERVICES	671	16.19
8/2/2019	8378178	1766388	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	17.25
8/2/2019	8378177	1766413	Orchard Ridge RDF	VEIT	401	16.25
8/2/2019	8378176	1766427	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	18.87
8/2/2019	8378175	1766465	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	18.67
8/2/2019	8378174	1766518	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	17.66
8/2/2019	8378173	1766578	Orchard Ridge RDF	LUEDERS LAWN SEEDING	102	11.88
8/6/2019	8378103	1767370	Orchard Ridge RDF	ROCK HUNTER	7	21.33
8/6/2019	8378104	1767376	Orchard Ridge RDF	VEIT	401	20.59
8/6/2019	8378105	1767381	Orchard Ridge RDF	LUNA TRUCKING	172	20.65
8/6/2019	8378106	1767428	Orchard Ridge RDF	ROCK HUNTER	7	24.74
8/6/2019	8378109	1767443	Orchard Ridge RDF	LUNA TRUCKING	172	22.77
8/6/2019	8378108	1767474	Orchard Ridge RDF	ROCK HUNTER	7	22.42
8/6/2019	8378110	1767493	Orchard Ridge RDF	LUNA TRUCKING	172	21.34
8/6/2019	8378107	1767504	Orchard Ridge RDF	VEIT	401	21.42
8/6/2019	8378111	1767512	Orchard Ridge RDF	ROCK HUNTER	7	20.17
8/6/2019	8378112	1767529	Orchard Ridge RDF	ACS TRUCKING	21	21.68
8/6/2019	8378113	1767536	Orchard Ridge RDF	LUNA TRUCKING	172	19.84
8/6/2019	8378114	1767560	Orchard Ridge RDF	ROCK HUNTER	7	22.72
8/6/2019	8378115	1767586	Orchard Ridge RDF	ACS TRUCKING	21	22.15
8/6/2019	8378116	1767608	Orchard Ridge RDF	LUNA TRUCKING	172	21.45

Appendix D - Construction Soil Waste Disposal Summary

Waste Management Waste Profile Number V131883WI

Former One-Hour Valet Dry Cleaners

1214 West Wells Street, Milwaukee, Wisconsin

Ramboll Project No. 1690005819

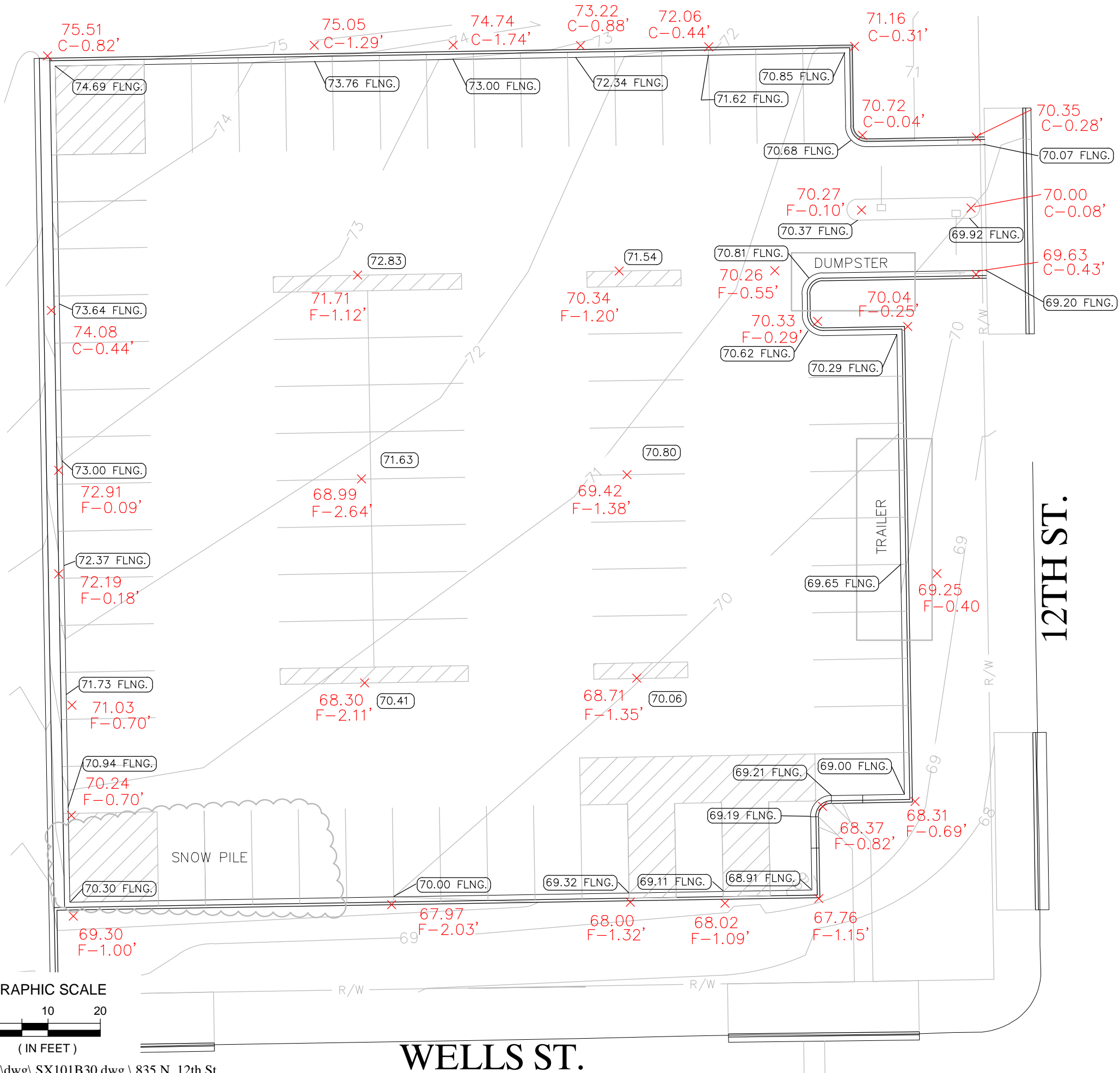
Date	Manifest #	Ticket #	Facility	Carrier	Vehicle	Material Quantity (Tons)
8/13/2019	8378117	1769671	Orchard Ridge RDF	WESTPHAL	M74	7.42
8/14/2019	8378119	1769849	Orchard Ridge RDF	FISCHER TRK	26	21.64
8/22/2019	8378121	1772128	Orchard Ridge RDF	VEIT	400	23.15
8/22/2019	8378122	1772144	Orchard Ridge RDF	GTRZ	G74	21.41
8/22/2019	8378123	1772183	Orchard Ridge RDF	VEIT	400	23.05
8/22/2019	8378124	1772220	Orchard Ridge RDF	GTRZ	G74	23.83
8/22/2019	8378125	1772253	Orchard Ridge RDF	VEIT	400	22.93
8/22/2019	8378126	1772294	Orchard Ridge RDF	GTRZ	G74	23.99
8/22/2019	8378127	1772351	Orchard Ridge RDF	VEIT	400	17.71
8/28/2019	8378128	1773771	Orchard Ridge RDF	GODOY TRUCKING	18	18.64

Total Tonnage 1041.15

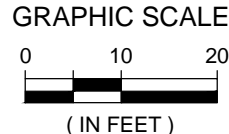
SITE EXHIBIT

12TH & WELLS STREET PARKING LOT

Known as 835 N. 12th Street, in the City of Milwaukee, Milwaukee County, Wisconsin
March 6, 2019 Mortenson Construction RAS No. 161751



NOTE: PROPOSED GRADES ARE FROM GRAEF'S GRADING AND UTILITY PLAN DATED 1/26/2018



WELLS ST.

raSmith
CREATIVITY BEYOND ENGINEERING
16745 W. Bluemound Road
Brookfield, WI 53005-5938
(262) 781-1000
rasmith.com

S:\5161751\dwg\SX101B30.dwg, 835 N. 12th St., 3/7/2019 10:51:07 AM, .pk

APPENDIX E
GROUNDWATER MONITORING PROGRAM
LABORATORY ANALYTICAL REPORTS

May 20, 2019

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

RE: Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

Dear Jeanne Tarvin:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2019. 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jim Hutchens, Ramboll Environ
Jim Kane, Ramboll Environ
Snejana Karakis, Environ
Paul Lindquist, Ramboll
David L. Markelz, Ramboll Environ
Susan Petrofske, Ramboll Environ
Scott Tarmann, Ramboll Environ
Abigail M. Wedig, Environ International Corp



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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

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SAMPLE SUMMARY

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187022001	MW-6	Water	05/02/19 11:05	05/04/19 08:10
40187022002	DUP-1	Water	05/02/19 11:05	05/04/19 08:10
40187022003	MW-5	Water	05/02/19 12:30	05/04/19 08:10
40187022004	PZ-4	Water	05/02/19 13:30	05/04/19 08:10
40187022005	MW-4	Water	05/02/19 14:10	05/04/19 08:10
40187022006	PZ-1R	Water	05/02/19 15:05	05/04/19 08:10
40187022007	TB	Water	05/02/19 15:05	05/04/19 08:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40187022001	MW-6	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	DS1	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	RLC	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40187022002	DUP-1	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	DS1	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	RLC	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40187022003	MW-5	EPA 8260	HNW	65	PASI-G
40187022004	PZ-4	EPA 8260	HNW	65	PASI-G
40187022005	MW-4	EPA 8260	LAP	65	PASI-G
40187022006	PZ-1R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	DS1	1	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 3500 Fe -Fe2	RLC	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40187022007	TB	EPA 8260	LAP	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40187022001	MW-6					
EPA 6020	Iron, Dissolved	103000	ug/L	1840	05/08/19 19:18	
SM 3500 Fe -Fe2	Iron, Ferric	1030	mg/L	0.20	05/17/19 18:58	
EPA 300.0	Sulfate	41.8	mg/L	15.0	05/13/19 14:14	
EPA 353.2	Nitrogen, NO2 plus NO3	0.25J	mg/L	0.25	05/08/19 13:44	
SM 5310C	Total Organic Carbon	6.0	mg/L	1.7	05/10/19 09:55	
40187022002	DUP-1					
EPA 6020	Iron, Dissolved	111000	ug/L	1840	05/08/19 19:25	
SM 3500 Fe -Fe2	Iron, Ferric	111	mg/L	0.20	05/17/19 18:58	
EPA 300.0	Sulfate	40.8	mg/L	15.0	05/13/19 14:29	
EPA 353.2	Nitrogen, NO2 plus NO3	0.26	mg/L	0.25	05/08/19 13:47	
SM 5310C	Total Organic Carbon	5.8	mg/L	1.7	05/10/19 10:16	
40187022003	MW-5					
EPA 8260	cis-1,2-Dichloroethene	11.3	ug/L	1.0	05/07/19 02:43	
EPA 8260	Tetrachloroethene	20.5	ug/L	1.1	05/07/19 02:43	
EPA 8260	Trichloroethene	3.8	ug/L	1.0	05/07/19 02:43	
EPA 8260	Vinyl chloride	2.1	ug/L	1.0	05/07/19 02:43	
40187022004	PZ-4					
EPA 8260	cis-1,2-Dichloroethene	20.8	ug/L	2.0	05/07/19 03:05	
EPA 8260	Tetrachloroethene	351	ug/L	2.2	05/07/19 03:05	
EPA 8260	Trichloroethene	3.0	ug/L	2.0	05/07/19 03:05	
EPA 8260	Vinyl chloride	1.0J	ug/L	2.0	05/07/19 03:05	
40187022005	MW-4					
EPA 8260	cis-1,2-Dichloroethene	23.0	ug/L	2.0	05/07/19 10:59	
EPA 8260	Tetrachloroethene	850	ug/L	10.9	05/07/19 11:43	
EPA 8260	Trichloroethene	5.0	ug/L	2.0	05/07/19 10:59	
40187022006	PZ-1R					
EPA 8015B Modified	Ethane	337	ug/L	5.6	05/07/19 11:32	
EPA 8015B Modified	Ethene	32.4	ug/L	5.0	05/07/19 11:32	
EPA 8015B Modified	Methane	23.1	ug/L	2.8	05/07/19 11:32	
EPA 6020	Iron, Dissolved	5880	ug/L	1840	05/08/19 19:32	
EPA 8260	cis-1,2-Dichloroethene	30000	ug/L	500	05/07/19 10:37	
EPA 8260	Tetrachloroethene	60300	ug/L	544	05/07/19 10:37	M1
EPA 8260	Trichloroethene	3310	ug/L	500	05/07/19 10:37	
SM 3500-Fe B	Iron, Ferrous	5.8	mg/L	2.0	05/09/19 12:10	H3
EPA 300.0	Sulfate	101	mg/L	15.0	05/10/19 20:04	
SM 5310C	Total Organic Carbon	124J	mg/L	126	05/10/19 11:04	D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

Sample: MW-6 **Lab ID: 40187022001** Collected: 05/02/19 11:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		05/07/19 10:39	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/07/19 10:39	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		05/07/19 10:39	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	103000	ug/L	1840	553	5	05/07/19 06:17	05/08/19 19:18	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/07/19 02:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/07/19 02:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/07/19 02:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/07/19 02:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/07/19 02:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/07/19 02:00	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:00	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/07/19 02:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/07/19 02:00	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/07/19 02:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/07/19 02:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/07/19 02:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/07/19 02:00	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/07/19 02:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/07/19 02:00	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/07/19 02:00	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/07/19 02:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/07/19 02:00	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/07/19 02:00	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:00	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/07/19 02:00	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/07/19 02:00	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/07/19 02:00	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 02:00	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:00	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/07/19 02:00	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/07/19 02:00	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/07/19 02:00	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:00	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/07/19 02:00	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/07/19 02:00	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/07/19 02:00	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/07/19 02:00	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/07/19 02:00	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/07/19 02:00	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/07/19 02:00	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/07/19 02:00	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: MW-6 **Lab ID: 40187022001** Collected: 05/02/19 11:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/07/19 02:00	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/07/19 02:00	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/07/19 02:00	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/07/19 02:00	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/07/19 02:00	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/07/19 02:00	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/07/19 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 02:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:00	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/07/19 02:00	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/07/19 02:00	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/07/19 02:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/07/19 02:00	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/07/19 02:00	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/07/19 02:00	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/07/19 02:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/07/19 02:00	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/07/19 02:00	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/07/19 02:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/07/19 02:00	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/07/19 02:00	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/07/19 02:00	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/07/19 02:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/07/19 02:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		05/07/19 02:00	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/07/19 02:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/07/19 02:00	2037-26-5	
Iron, Ferric (Calculation)		Analytical Method: SM 3500 Fe -Fe2							
Iron, Ferric	1030	mg/L	0.20	0.20	1		05/17/19 18:58	7439-89-6	
Iron, Ferrous		Analytical Method: SM 3500-Fe B							
Iron, Ferrous	<0.20	mg/L	0.20	0.20	1		05/09/19 12:05		H3
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Sulfate	41.8	mg/L	15.0	5.0	5		05/13/19 14:14	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	0.25J	mg/L	0.25	0.095	1		05/08/19 13:44		
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	6.0	mg/L	1.7	0.50	2		05/10/19 09:55	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: DUP-1 **Lab ID:** 40187022002 Collected: 05/02/19 11:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		05/07/19 10:46	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		05/07/19 10:46	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		05/07/19 10:46	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	111000	ug/L	1840	553	5	05/07/19 06:17	05/08/19 19:25	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/07/19 02:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/07/19 02:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/07/19 02:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/07/19 02:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/07/19 02:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/07/19 02:22	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:22	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/07/19 02:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/07/19 02:22	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/07/19 02:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/07/19 02:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/07/19 02:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/07/19 02:22	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/07/19 02:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/07/19 02:22	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/07/19 02:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/07/19 02:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/07/19 02:22	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/07/19 02:22	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:22	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/07/19 02:22	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/07/19 02:22	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/07/19 02:22	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 02:22	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:22	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/07/19 02:22	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/07/19 02:22	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/07/19 02:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:22	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/07/19 02:22	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/07/19 02:22	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/07/19 02:22	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/07/19 02:22	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/07/19 02:22	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/07/19 02:22	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/07/19 02:22	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/07/19 02:22	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: DUP-1 **Lab ID:** 40187022002 Collected: 05/02/19 11:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/07/19 02:22	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/07/19 02:22	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/07/19 02:22	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/07/19 02:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/07/19 02:22	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/07/19 02:22	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/07/19 02:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 02:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:22	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/07/19 02:22	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/07/19 02:22	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/07/19 02:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/07/19 02:22	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/07/19 02:22	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/07/19 02:22	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/07/19 02:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/07/19 02:22	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/07/19 02:22	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/07/19 02:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/07/19 02:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/07/19 02:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/07/19 02:22	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/07/19 02:22	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/07/19 02:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		05/07/19 02:22	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/07/19 02:22	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/07/19 02:22	2037-26-5	
Iron, Ferric (Calculation) Analytical Method: SM 3500 Fe -Fe2									
Iron, Ferric	111	mg/L	0.20	0.20	1		05/17/19 18:58	7439-89-6	
Iron, Ferrous Analytical Method: SM 3500-Fe B									
Iron, Ferrous	<0.20	mg/L	0.20	0.20	1		05/09/19 12:07		H3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	40.8	mg/L	15.0	5.0	5		05/13/19 14:29	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	0.26	mg/L	0.25	0.095	1		05/08/19 13:47		
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	5.8	mg/L	1.7	0.50	2		05/10/19 10:16	7440-44-0	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: MW-5 Lab ID: 40187022003 Collected: 05/02/19 12:30 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		05/07/19 02:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/07/19 02:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/07/19 02:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/07/19 02:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/07/19 02:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/07/19 02:43	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:43	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/07/19 02:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/07/19 02:43	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/07/19 02:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/07/19 02:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/07/19 02:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/07/19 02:43	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/07/19 02:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/07/19 02:43	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/07/19 02:43	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/07/19 02:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/07/19 02:43	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/07/19 02:43	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 02:43	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/07/19 02:43	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/07/19 02:43	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/07/19 02:43	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 02:43	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:43	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/07/19 02:43	75-35-4	
cis-1,2-Dichloroethene	11.3	ug/L	1.0	0.27	1		05/07/19 02:43	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/07/19 02:43	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:43	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/07/19 02:43	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/07/19 02:43	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/07/19 02:43	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/07/19 02:43	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/07/19 02:43	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/07/19 02:43	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/07/19 02:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/07/19 02:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/07/19 02:43	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/07/19 02:43	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/07/19 02:43	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/07/19 02:43	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/07/19 02:43	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/07/19 02:43	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/07/19 02:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 02:43	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: MW-5 **Lab ID: 40187022003** Collected: 05/02/19 12:30 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 02:43	79-34-5	
Tetrachloroethene	20.5	ug/L	1.1	0.33	1		05/07/19 02:43	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/07/19 02:43	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/07/19 02:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/07/19 02:43	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/07/19 02:43	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/07/19 02:43	79-00-5	
Trichloroethene	3.8	ug/L	1.0	0.26	1		05/07/19 02:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/07/19 02:43	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/07/19 02:43	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/07/19 02:43	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/07/19 02:43	108-67-8	
Vinyl chloride	2.1	ug/L	1.0	0.17	1		05/07/19 02:43	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/07/19 02:43	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/07/19 02:43	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/07/19 02:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		05/07/19 02:43	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/07/19 02:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/07/19 02:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: PZ-4 **Lab ID: 40187022004** Collected: 05/02/19 13:30 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.49	ug/L	2.0	0.49	2		05/07/19 03:05	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		05/07/19 03:05	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		05/07/19 03:05	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		05/07/19 03:05	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		05/07/19 03:05	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		05/07/19 03:05	74-83-9	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		05/07/19 03:05	104-51-8	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		05/07/19 03:05	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		05/07/19 03:05	98-06-6	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		05/07/19 03:05	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		05/07/19 03:05	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		05/07/19 03:05	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		05/07/19 03:05	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		05/07/19 03:05	74-87-3	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		05/07/19 03:05	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		05/07/19 03:05	106-43-4	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		05/07/19 03:05	96-12-8	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		05/07/19 03:05	124-48-1	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		05/07/19 03:05	106-93-4	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		05/07/19 03:05	74-95-3	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		05/07/19 03:05	95-50-1	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		05/07/19 03:05	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		05/07/19 03:05	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		05/07/19 03:05	75-71-8	
1,1-Dichloroethane	<0.55	ug/L	2.0	0.55	2		05/07/19 03:05	75-34-3	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		05/07/19 03:05	107-06-2	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		05/07/19 03:05	75-35-4	
cis-1,2-Dichloroethene	20.8	ug/L	2.0	0.54	2		05/07/19 03:05	156-59-2	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		05/07/19 03:05	156-60-5	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		05/07/19 03:05	78-87-5	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		05/07/19 03:05	142-28-9	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		05/07/19 03:05	594-20-7	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		05/07/19 03:05	563-58-6	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		05/07/19 03:05	10061-01-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		05/07/19 03:05	10061-02-6	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		05/07/19 03:05	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		05/07/19 03:05	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		05/07/19 03:05	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	10.0	0.79	2		05/07/19 03:05	98-82-8	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		05/07/19 03:05	99-87-6	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		05/07/19 03:05	75-09-2	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		05/07/19 03:05	1634-04-4	
Naphthalene	<2.4	ug/L	10.0	2.4	2		05/07/19 03:05	91-20-3	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		05/07/19 03:05	103-65-1	
Styrene	<0.93	ug/L	3.1	0.93	2		05/07/19 03:05	100-42-5	
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		05/07/19 03:05	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: PZ-4 **Lab ID: 40187022004** Collected: 05/02/19 13:30 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		05/07/19 03:05	79-34-5	
Tetrachloroethene	351	ug/L	2.2	0.65	2		05/07/19 03:05	127-18-4	
Toluene	<0.34	ug/L	10.0	0.34	2		05/07/19 03:05	108-88-3	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		05/07/19 03:05	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		05/07/19 03:05	120-82-1	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		05/07/19 03:05	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		05/07/19 03:05	79-00-5	
Trichloroethene	3.0	ug/L	2.0	0.51	2		05/07/19 03:05	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		05/07/19 03:05	75-69-4	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		05/07/19 03:05	96-18-4	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.6	1.7	2		05/07/19 03:05	95-63-6	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		05/07/19 03:05	108-67-8	
Vinyl chloride	1.0J	ug/L	2.0	0.35	2		05/07/19 03:05	75-01-4	
Xylene (Total)	<3.0	ug/L	6.0	3.0	2		05/07/19 03:05	1330-20-7	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		05/07/19 03:05	179601-23-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		05/07/19 03:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		2		05/07/19 03:05	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		2		05/07/19 03:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2		05/07/19 03:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: MW-4 **Lab ID: 40187022005** Collected: 05/02/19 14:10 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.49	ug/L	2.0	0.49	2		05/07/19 10:59	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		05/07/19 10:59	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		05/07/19 10:59	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		05/07/19 10:59	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		05/07/19 10:59	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		05/07/19 10:59	74-83-9	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		05/07/19 10:59	104-51-8	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		05/07/19 10:59	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		05/07/19 10:59	98-06-6	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		05/07/19 10:59	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		05/07/19 10:59	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		05/07/19 10:59	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		05/07/19 10:59	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		05/07/19 10:59	74-87-3	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		05/07/19 10:59	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		05/07/19 10:59	106-43-4	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		05/07/19 10:59	96-12-8	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		05/07/19 10:59	124-48-1	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		05/07/19 10:59	106-93-4	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		05/07/19 10:59	74-95-3	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		05/07/19 10:59	95-50-1	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		05/07/19 10:59	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		05/07/19 10:59	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		05/07/19 10:59	75-71-8	
1,1-Dichloroethane	<0.55	ug/L	2.0	0.55	2		05/07/19 10:59	75-34-3	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		05/07/19 10:59	107-06-2	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		05/07/19 10:59	75-35-4	
cis-1,2-Dichloroethene	23.0	ug/L	2.0	0.54	2		05/07/19 10:59	156-59-2	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		05/07/19 10:59	156-60-5	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		05/07/19 10:59	78-87-5	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		05/07/19 10:59	142-28-9	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		05/07/19 10:59	594-20-7	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		05/07/19 10:59	563-58-6	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		05/07/19 10:59	10061-01-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		05/07/19 10:59	10061-02-6	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		05/07/19 10:59	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		05/07/19 10:59	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		05/07/19 10:59	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	10.0	0.79	2		05/07/19 10:59	98-82-8	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		05/07/19 10:59	99-87-6	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		05/07/19 10:59	75-09-2	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		05/07/19 10:59	1634-04-4	
Naphthalene	<2.4	ug/L	10.0	2.4	2		05/07/19 10:59	91-20-3	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		05/07/19 10:59	103-65-1	
Styrene	<0.93	ug/L	3.1	0.93	2		05/07/19 10:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		05/07/19 10:59	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: MW-4 **Lab ID: 40187022005** Collected: 05/02/19 14:10 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		05/07/19 10:59	79-34-5	
Tetrachloroethene	850	ug/L	10.9	3.3	10		05/07/19 11:43	127-18-4	
Toluene	<0.34	ug/L	10.0	0.34	2		05/07/19 10:59	108-88-3	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		05/07/19 10:59	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		05/07/19 10:59	120-82-1	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		05/07/19 10:59	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		05/07/19 10:59	79-00-5	
Trichloroethene	5.0	ug/L	2.0	0.51	2		05/07/19 10:59	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		05/07/19 10:59	75-69-4	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		05/07/19 10:59	96-18-4	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.6	1.7	2		05/07/19 10:59	95-63-6	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		05/07/19 10:59	108-67-8	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		05/07/19 10:59	75-01-4	
Xylene (Total)	<3.0	ug/L	6.0	3.0	2		05/07/19 10:59	1330-20-7	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		05/07/19 10:59	179601-23-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		05/07/19 10:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		2		05/07/19 10:59	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		2		05/07/19 10:59	1868-53-7	
Toluene-d8 (S)	91	%	70-130		2		05/07/19 10:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Sample Project No.: 40187022

Sample: PZ-1R **Lab ID: 40187022006** Collected: 05/02/19 15:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	337	ug/L	5.6	0.58	1		05/07/19 11:32	74-84-0	
Ethene	32.4	ug/L	5.0	0.52	1		05/07/19 11:32	74-85-1	
Methane	23.1	ug/L	2.8	1.4	1		05/07/19 11:32	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	5880	ug/L	1840	553	5	05/07/19 06:17	05/08/19 19:32	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<123	ug/L	500	123	500		05/07/19 10:37	71-43-2	
Bromobenzene	<121	ug/L	500	121	500		05/07/19 10:37	108-86-1	
Bromochloromethane	<181	ug/L	2500	181	500		05/07/19 10:37	74-97-5	
Bromodichloromethane	<182	ug/L	606	182	500		05/07/19 10:37	75-27-4	
Bromoform	<1990	ug/L	6620	1990	500		05/07/19 10:37	75-25-2	
Bromomethane	<486	ug/L	2500	486	500		05/07/19 10:37	74-83-9	
n-Butylbenzene	<354	ug/L	1180	354	500		05/07/19 10:37	104-51-8	
sec-Butylbenzene	<424	ug/L	2500	424	500		05/07/19 10:37	135-98-8	
tert-Butylbenzene	<152	ug/L	506	152	500		05/07/19 10:37	98-06-6	
Carbon tetrachloride	<82.9	ug/L	500	82.9	500		05/07/19 10:37	56-23-5	
Chlorobenzene	<355	ug/L	1180	355	500		05/07/19 10:37	108-90-7	
Chloroethane	<671	ug/L	2500	671	500		05/07/19 10:37	75-00-3	
Chloroform	<637	ug/L	2500	637	500		05/07/19 10:37	67-66-3	
Chloromethane	<1090	ug/L	3650	1090	500		05/07/19 10:37	74-87-3	
2-Chlorotoluene	<463	ug/L	2500	463	500		05/07/19 10:37	95-49-8	
4-Chlorotoluene	<378	ug/L	1260	378	500		05/07/19 10:37	106-43-4	
1,2-Dibromo-3-chloropropane	<882	ug/L	2940	882	500		05/07/19 10:37	96-12-8	
Dibromochloromethane	<1300	ug/L	4340	1300	500		05/07/19 10:37	124-48-1	
1,2-Dibromoethane (EDB)	<415	ug/L	1380	415	500		05/07/19 10:37	106-93-4	
Dibromomethane	<468	ug/L	1560	468	500		05/07/19 10:37	74-95-3	
1,2-Dichlorobenzene	<353	ug/L	1180	353	500		05/07/19 10:37	95-50-1	
1,3-Dichlorobenzene	<314	ug/L	1050	314	500		05/07/19 10:37	541-73-1	
1,4-Dichlorobenzene	<472	ug/L	1570	472	500		05/07/19 10:37	106-46-7	
Dichlorodifluoromethane	<250	ug/L	2500	250	500		05/07/19 10:37	75-71-8	
1,1-Dichloroethane	<136	ug/L	500	136	500		05/07/19 10:37	75-34-3	
1,2-Dichloroethane	<140	ug/L	500	140	500		05/07/19 10:37	107-06-2	
1,1-Dichloroethene	<122	ug/L	500	122	500		05/07/19 10:37	75-35-4	
cis-1,2-Dichloroethene	30000	ug/L	500	136	500		05/07/19 10:37	156-59-2	
trans-1,2-Dichloroethene	<545	ug/L	1820	545	500		05/07/19 10:37	156-60-5	
1,2-Dichloropropane	<141	ug/L	500	141	500		05/07/19 10:37	78-87-5	
1,3-Dichloropropane	<413	ug/L	1380	413	500		05/07/19 10:37	142-28-9	
2,2-Dichloropropane	<1130	ug/L	3780	1130	500		05/07/19 10:37	594-20-7	
1,1-Dichloropropene	<270	ug/L	900	270	500		05/07/19 10:37	563-58-6	
cis-1,3-Dichloropropene	<1810	ug/L	6050	1810	500		05/07/19 10:37	10061-01-5	
trans-1,3-Dichloropropene	<2190	ug/L	7280	2190	500		05/07/19 10:37	10061-02-6	
Diisopropyl ether	<944	ug/L	3150	944	500		05/07/19 10:37	108-20-3	
Ethylbenzene	<109	ug/L	500	109	500		05/07/19 10:37	100-41-4	
Hexachloro-1,3-butadiene	<591	ug/L	2500	591	500		05/07/19 10:37	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: PZ-1R **Lab ID: 40187022006** Collected: 05/02/19 15:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Isopropylbenzene (Cumene)	<196	ug/L	2500	196	500		05/07/19 10:37	98-82-8	
p-Isopropyltoluene	<400	ug/L	1330	400	500		05/07/19 10:37	99-87-6	
Methylene Chloride	<290	ug/L	2500	290	500		05/07/19 10:37	75-09-2	
Methyl-tert-butyl ether	<623	ug/L	2080	623	500		05/07/19 10:37	1634-04-4	
Naphthalene	<588	ug/L	2500	588	500		05/07/19 10:37	91-20-3	
n-Propylbenzene	<405	ug/L	2500	405	500		05/07/19 10:37	103-65-1	
Styrene	<233	ug/L	776	233	500		05/07/19 10:37	100-42-5	
1,1,1,2-Tetrachloroethane	<135	ug/L	500	135	500		05/07/19 10:37	630-20-6	
1,1,2,2-Tetrachloroethane	<138	ug/L	500	138	500		05/07/19 10:37	79-34-5	
Tetrachloroethene	60300	ug/L	544	163	500		05/07/19 10:37	127-18-4	M1
Toluene	<86.1	ug/L	2500	86.1	500		05/07/19 10:37	108-88-3	
1,2,3-Trichlorobenzene	<313	ug/L	2500	313	500		05/07/19 10:37	87-61-6	
1,2,4-Trichlorobenzene	<476	ug/L	2500	476	500		05/07/19 10:37	120-82-1	
1,1,1-Trichloroethane	<122	ug/L	500	122	500		05/07/19 10:37	71-55-6	
1,1,2-Trichloroethane	<276	ug/L	2500	276	500		05/07/19 10:37	79-00-5	
Trichloroethene	3310	ug/L	500	128	500		05/07/19 10:37	79-01-6	
Trichlorofluoromethane	<107	ug/L	500	107	500		05/07/19 10:37	75-69-4	
1,2,3-Trichloropropane	<295	ug/L	2500	295	500		05/07/19 10:37	96-18-4	
1,2,4-Trimethylbenzene	<420	ug/L	1400	420	500		05/07/19 10:37	95-63-6	
1,3,5-Trimethylbenzene	<437	ug/L	1460	437	500		05/07/19 10:37	108-67-8	
Vinyl chloride	<87.3	ug/L	500	87.3	500		05/07/19 10:37	75-01-4	
Xylene (Total)	<750	ug/L	1500	750	500		05/07/19 10:37	1330-20-7	
m&p-Xylene	<233	ug/L	1000	233	500		05/07/19 10:37	179601-23-1	
o-Xylene	<131	ug/L	500	131	500		05/07/19 10:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		500		05/07/19 10:37	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		500		05/07/19 10:37	1868-53-7	
Toluene-d8 (S)	96	%	70-130		500		05/07/19 10:37	2037-26-5	
Iron, Ferric (Calculation) Analytical Method: SM 3500 Fe -Fe2									
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		05/17/19 18:58	7439-89-6	
Iron, Ferrous Analytical Method: SM 3500-Fe B									
Iron, Ferrous	5.8	mg/L	2.0	2.0	10		05/09/19 12:10		H3
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	101	mg/L	15.0	5.0	5		05/10/19 20:04	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		05/08/19 13:47		
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	124J	mg/L	126	37.8	150		05/10/19 11:04	7440-44-0	D3

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Sample: TB **Lab ID: 40187022007** Collected: 05/02/19 15:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		05/07/19 12:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/07/19 12:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/07/19 12:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/07/19 12:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/07/19 12:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/07/19 12:27	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 12:27	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/07/19 12:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/07/19 12:27	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/07/19 12:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 12:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/07/19 12:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/07/19 12:27	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/07/19 12:27	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/07/19 12:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/07/19 12:27	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/07/19 12:27	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/07/19 12:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/07/19 12:27	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/07/19 12:27	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/07/19 12:27	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/07/19 12:27	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/07/19 12:27	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/07/19 12:27	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 12:27	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 12:27	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/07/19 12:27	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/07/19 12:27	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/07/19 12:27	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/07/19 12:27	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/07/19 12:27	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/07/19 12:27	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/07/19 12:27	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/07/19 12:27	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/07/19 12:27	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/07/19 12:27	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/07/19 12:27	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/07/19 12:27	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/07/19 12:27	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/07/19 12:27	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/07/19 12:27	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/07/19 12:27	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/07/19 12:27	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/07/19 12:27	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/07/19 12:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/07/19 12:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

Sample: TB **Lab ID: 40187022007** Collected: 05/02/19 15:05 Received: 05/04/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/07/19 12:27	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/07/19 12:27	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/07/19 12:27	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/07/19 12:27	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/07/19 12:27	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/07/19 12:27	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/07/19 12:27	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/07/19 12:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/07/19 12:27	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/07/19 12:27	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/07/19 12:27	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/07/19 12:27	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/07/19 12:27	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/07/19 12:27	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/07/19 12:27	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/07/19 12:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		05/07/19 12:27	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/07/19 12:27	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/07/19 12:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

QC Batch: 320547 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40187022001, 40187022002, 40187022006

METHOD BLANK: 1861985 Matrix: Water
Associated Lab Samples: 40187022001, 40187022002, 40187022006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	05/07/19 09:12	
Ethene	ug/L	<0.52	5.0	05/07/19 09:12	
Methane	ug/L	<1.4	2.8	05/07/19 09:12	

LABORATORY CONTROL SAMPLE & LCSD: 1861986

Parameter	Units	1861987		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Ethane	ug/L	53.6	55.1	103	104	80-120	1	20	
Ethene	ug/L	50	50.7	101	103	80-120	1	20	
Methane	ug/L	28.6	29.1	102	102	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862162

Parameter	Units	1862162		1862163		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40186638009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Ethane	ug/L	<0.58	53.6	53.6	55.1	103	100	80-120	2	20	
Ethene	ug/L	<0.52	50	50	50.9	102	99	80-120	3	20	
Methane	ug/L	<1.4	28.6	28.6	31.6	110	108	77-122	2	20	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

QC Batch: 320530 Analysis Method: EPA 6020
 QC Batch Method: EPA 3010 Analysis Description: 6020 MET Dissolved
 Associated Lab Samples: 40187022001, 40187022002, 40187022006

METHOD BLANK: 1861931 Matrix: Water

Associated Lab Samples: 40187022001, 40187022002, 40187022006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<111	368	05/08/19 17:29	

LABORATORY CONTROL SAMPLE: 1861932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	5210	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861933 1861934

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40186918004 Result	Spike Conc.	Spike Conc.	Conc.								
Iron, Dissolved	ug/L	191J	5000	5000	5380	5240	104	101	75-125	3	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

QC Batch: 320421 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40187022001, 40187022002, 40187022003, 40187022004

METHOD BLANK: 1861667 Matrix: Water
Associated Lab Samples: 40187022001, 40187022002, 40187022003, 40187022004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/06/19 18:28	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/06/19 18:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/06/19 18:28	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/06/19 18:28	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/06/19 18:28	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/06/19 18:28	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/06/19 18:28	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/06/19 18:28	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/06/19 18:28	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/06/19 18:28	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/06/19 18:28	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/06/19 18:28	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/06/19 18:28	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/06/19 18:28	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/06/19 18:28	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/06/19 18:28	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/06/19 18:28	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/06/19 18:28	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/06/19 18:28	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/06/19 18:28	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/06/19 18:28	
2-Chlorotoluene	ug/L	<0.93	5.0	05/06/19 18:28	
4-Chlorotoluene	ug/L	<0.76	2.5	05/06/19 18:28	
Benzene	ug/L	<0.25	1.0	05/06/19 18:28	
Bromobenzene	ug/L	<0.24	1.0	05/06/19 18:28	
Bromochloromethane	ug/L	<0.36	5.0	05/06/19 18:28	
Bromodichloromethane	ug/L	<0.36	1.2	05/06/19 18:28	
Bromoform	ug/L	<4.0	13.2	05/06/19 18:28	
Bromomethane	ug/L	<0.97	5.0	05/06/19 18:28	
Carbon tetrachloride	ug/L	<0.17	1.0	05/06/19 18:28	
Chlorobenzene	ug/L	<0.71	2.4	05/06/19 18:28	
Chloroethane	ug/L	<1.3	5.0	05/06/19 18:28	
Chloroform	ug/L	<1.3	5.0	05/06/19 18:28	
Chloromethane	ug/L	<2.2	7.3	05/06/19 18:28	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/06/19 18:28	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/06/19 18:28	
Dibromochloromethane	ug/L	<2.6	8.7	05/06/19 18:28	
Dibromomethane	ug/L	<0.94	3.1	05/06/19 18:28	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/06/19 18:28	
Diisopropyl ether	ug/L	<1.9	6.3	05/06/19 18:28	
Ethylbenzene	ug/L	<0.22	1.0	05/06/19 18:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

METHOD BLANK: 1861667 Matrix: Water
Associated Lab Samples: 40187022001, 40187022002, 40187022003, 40187022004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/06/19 18:28	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/06/19 18:28	
m&p-Xylene	ug/L	<0.47	2.0	05/06/19 18:28	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/06/19 18:28	
Methylene Chloride	ug/L	<0.58	5.0	05/06/19 18:28	
n-Butylbenzene	ug/L	<0.71	2.4	05/06/19 18:28	
n-Propylbenzene	ug/L	<0.81	5.0	05/06/19 18:28	
Naphthalene	ug/L	<1.2	5.0	05/06/19 18:28	
o-Xylene	ug/L	<0.26	1.0	05/06/19 18:28	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/06/19 18:28	
sec-Butylbenzene	ug/L	<0.85	5.0	05/06/19 18:28	
Styrene	ug/L	<0.47	1.6	05/06/19 18:28	
tert-Butylbenzene	ug/L	<0.30	1.0	05/06/19 18:28	
Tetrachloroethene	ug/L	<0.33	1.1	05/06/19 18:28	
Toluene	ug/L	<0.17	5.0	05/06/19 18:28	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/06/19 18:28	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/06/19 18:28	
Trichloroethene	ug/L	<0.26	1.0	05/06/19 18:28	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/06/19 18:28	
Vinyl chloride	ug/L	<0.17	1.0	05/06/19 18:28	
Xylene (Total)	ug/L	<1.5	3.0	05/06/19 18:28	
4-Bromofluorobenzene (S)	%	90	70-130	05/06/19 18:28	
Dibromofluoromethane (S)	%	100	70-130	05/06/19 18:28	
Toluene-d8 (S)	%	100	70-130	05/06/19 18:28	

LABORATORY CONTROL SAMPLE: 1861668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	96	70-130	
1,1,2-Trichloroethane	ug/L	50	53.1	106	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	73-150	
1,1-Dichloroethene	ug/L	50	51.7	103	73-138	
1,2,4-Trichlorobenzene	ug/L	50	47.8	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.9	92	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	75-140	
1,2-Dichloropropane	ug/L	50	47.9	96	73-135	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	51.8	104	70-130	
Bromodichloromethane	ug/L	50	51.2	102	70-130	
Bromoform	ug/L	50	48.3	97	68-129	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

LABORATORY CONTROL SAMPLE: 1861668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	36.2	72	18-159	
Carbon tetrachloride	ug/L	50	53.0	106	70-130	
Chlorobenzene	ug/L	50	54.1	108	70-130	
Chloroethane	ug/L	50	43.5	87	53-147	
Chloroform	ug/L	50	49.8	100	74-136	
Chloromethane	ug/L	50	40.2	80	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	45.1	90	10-130	
Ethylbenzene	ug/L	50	55.9	112	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	70-130	
m&p-Xylene	ug/L	100	117	117	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	54-137	
Methylene Chloride	ug/L	50	51.9	104	73-138	
o-Xylene	ug/L	50	57.4	115	70-130	
Styrene	ug/L	50	53.2	106	70-130	
Tetrachloroethene	ug/L	50	52.6	105	70-130	
Toluene	ug/L	50	54.7	109	80-126	
trans-1,2-Dichloroethene	ug/L	50	53.2	106	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.5	95	70-130	
Trichloroethene	ug/L	50	52.3	105	70-130	
Trichlorofluoromethane	ug/L	50	52.4	105	76-147	
Vinyl chloride	ug/L	50	42.8	86	51-120	
Xylene (Total)	ug/L	150	174	116	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861768 1861769

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187022004	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.49	100	100	109	112	109	112	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.55	100	100	103	103	103	103	70-130	1	20		
1,1,2-Trichloroethane	ug/L	<1.1	100	100	109	109	109	109	70-137	0	20		
1,1-Dichloroethane	ug/L	<0.55	100	100	98.5	101	99	101	73-153	2	20		
1,1-Dichloroethene	ug/L	<0.49	100	100	103	107	103	107	73-138	3	20		
1,2,4-Trichlorobenzene	ug/L	<1.9	100	100	101	103	101	103	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<3.5	100	100	104	99.6	104	100	58-129	4	20		
1,2-Dibromoethane (EDB)	ug/L	<1.7	100	100	108	108	108	108	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<1.4	100	100	107	109	107	109	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.56	100	100	102	105	102	105	75-140	3	20		
1,2-Dichloropropane	ug/L	<0.57	100	100	93.4	100	93	100	71-138	7	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861768		1861769		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40187022004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<1.3	100	100	102	105	102	105	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<1.9	100	100	104	106	104	106	70-130	2	20		
Benzene	ug/L	<0.49	100	100	105	108	105	108	70-130	3	20		
Bromodichloromethane	ug/L	<0.73	100	100	104	107	104	107	70-130	2	20		
Bromoform	ug/L	<7.9	100	100	101	99.6	101	100	68-129	1	20		
Bromomethane	ug/L	<1.9	100	100	76.2	78.3	76	78	15-170	3	20		
Carbon tetrachloride	ug/L	<0.33	100	100	107	109	107	109	70-130	2	20		
Chlorobenzene	ug/L	<1.4	100	100	111	112	111	112	70-130	1	20		
Chloroethane	ug/L	<2.7	100	100	88.5	91.0	88	91	51-148	3	20		
Chloroform	ug/L	<2.5	100	100	101	103	101	103	74-136	1	20		
Chloromethane	ug/L	<4.4	100	100	81.1	81.2	81	81	23-115	0	20		
cis-1,2-Dichloroethene	ug/L	20.8	100	100	128	123	108	102	70-131	4	20		
cis-1,3-Dichloropropene	ug/L	<7.3	100	100	93.3	95.3	93	95	70-130	2	20		
Dibromochloromethane	ug/L	<5.2	100	100	112	112	112	112	70-130	0	20		
Dichlorodifluoromethane	ug/L	<1.0	100	100	90.9	93.0	91	93	10-132	2	20		
Ethylbenzene	ug/L	<0.44	100	100	115	115	115	115	80-125	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.79	100	100	110	111	110	111	70-130	1	20		
m&p-Xylene	ug/L	<0.93	200	200	239	238	119	119	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<2.5	100	100	98.2	101	98	101	51-145	3	20		
Methylene Chloride	ug/L	<1.2	100	100	105	108	105	108	73-140	3	20		
o-Xylene	ug/L	<0.52	100	100	117	117	117	117	70-130	0	20		
Styrene	ug/L	<0.93	100	100	108	107	108	107	70-130	0	20		
Toluene	ug/L	<0.34	100	100	113	112	113	112	80-131	0	20		
trans-1,2-Dichloroethene	ug/L	<2.2	100	100	108	111	108	111	73-148	3	20		
trans-1,3-Dichloropropene	ug/L	<8.7	100	100	97.6	100	98	100	70-130	3	20		
Trichloroethene	ug/L	3.0	100	100	111	108	108	105	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.43	100	100	106	109	106	109	74-147	3	20		
Vinyl chloride	ug/L	1.0J	100	100	87.0	89.9	86	89	41-129	3	20		
Xylene (Total)	ug/L	<3.0	300	300	356	355	119	118	70-130	0	20		
4-Bromofluorobenzene (S)	%						100	98	70-130				
Dibromofluoromethane (S)	%						99	102	70-130				
Toluene-d8 (S)	%						99	99	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

QC Batch: 320422 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40187022005, 40187022006, 40187022007

METHOD BLANK: 1861669 Matrix: Water

Associated Lab Samples: 40187022005, 40187022006, 40187022007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/07/19 06:55	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/07/19 06:55	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/07/19 06:55	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/07/19 06:55	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/07/19 06:55	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/07/19 06:55	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/07/19 06:55	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/07/19 06:55	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/07/19 06:55	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/07/19 06:55	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/07/19 06:55	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/07/19 06:55	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/07/19 06:55	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/07/19 06:55	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/07/19 06:55	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/07/19 06:55	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/07/19 06:55	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/07/19 06:55	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/07/19 06:55	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/07/19 06:55	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/07/19 06:55	
2-Chlorotoluene	ug/L	<0.93	5.0	05/07/19 06:55	
4-Chlorotoluene	ug/L	<0.76	2.5	05/07/19 06:55	
Benzene	ug/L	<0.25	1.0	05/07/19 06:55	
Bromobenzene	ug/L	<0.24	1.0	05/07/19 06:55	
Bromochloromethane	ug/L	<0.36	5.0	05/07/19 06:55	
Bromodichloromethane	ug/L	<0.36	1.2	05/07/19 06:55	
Bromoform	ug/L	<4.0	13.2	05/07/19 06:55	
Bromomethane	ug/L	<0.97	5.0	05/07/19 06:55	
Carbon tetrachloride	ug/L	<0.17	1.0	05/07/19 06:55	
Chlorobenzene	ug/L	<0.71	2.4	05/07/19 06:55	
Chloroethane	ug/L	<1.3	5.0	05/07/19 06:55	
Chloroform	ug/L	<1.3	5.0	05/07/19 06:55	
Chloromethane	ug/L	<2.2	7.3	05/07/19 06:55	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/07/19 06:55	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/07/19 06:55	
Dibromochloromethane	ug/L	<2.6	8.7	05/07/19 06:55	
Dibromomethane	ug/L	<0.94	3.1	05/07/19 06:55	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/07/19 06:55	
Diisopropyl ether	ug/L	<1.9	6.3	05/07/19 06:55	
Ethylbenzene	ug/L	<0.22	1.0	05/07/19 06:55	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

METHOD BLANK: 1861669

Matrix: Water

Associated Lab Samples: 40187022005, 40187022006, 40187022007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/07/19 06:55	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/07/19 06:55	
m&p-Xylene	ug/L	<0.47	2.0	05/07/19 06:55	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/07/19 06:55	
Methylene Chloride	ug/L	<0.58	5.0	05/07/19 06:55	
n-Butylbenzene	ug/L	<0.71	2.4	05/07/19 06:55	
n-Propylbenzene	ug/L	<0.81	5.0	05/07/19 06:55	
Naphthalene	ug/L	<1.2	5.0	05/07/19 06:55	
o-Xylene	ug/L	<0.26	1.0	05/07/19 06:55	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/07/19 06:55	
sec-Butylbenzene	ug/L	<0.85	5.0	05/07/19 06:55	
Styrene	ug/L	<0.47	1.6	05/07/19 06:55	
tert-Butylbenzene	ug/L	<0.30	1.0	05/07/19 06:55	
Tetrachloroethene	ug/L	<0.33	1.1	05/07/19 06:55	
Toluene	ug/L	<0.17	5.0	05/07/19 06:55	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/07/19 06:55	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/07/19 06:55	
Trichloroethene	ug/L	<0.26	1.0	05/07/19 06:55	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/07/19 06:55	
Vinyl chloride	ug/L	<0.17	1.0	05/07/19 06:55	
Xylene (Total)	ug/L	<1.5	3.0	05/07/19 06:55	
4-Bromofluorobenzene (S)	%	90	70-130	05/07/19 06:55	
Dibromofluoromethane (S)	%	105	70-130	05/07/19 06:55	
Toluene-d8 (S)	%	97	70-130	05/07/19 06:55	

LABORATORY CONTROL SAMPLE: 1861670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	70-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	50.4	101	73-150	
1,1-Dichloroethene	ug/L	50	60.2	120	73-138	
1,2,4-Trichlorobenzene	ug/L	50	48.3	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.6	99	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	50.9	102	75-140	
1,2-Dichloropropane	ug/L	50	50.5	101	73-135	
1,3-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,4-Dichlorobenzene	ug/L	50	51.9	104	70-130	
Benzene	ug/L	50	50.5	101	70-130	
Bromodichloromethane	ug/L	50	51.4	103	70-130	
Bromoform	ug/L	50	54.0	108	68-129	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

LABORATORY CONTROL SAMPLE: 1861670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	47.3	95	18-159	
Carbon tetrachloride	ug/L	50	54.1	108	70-130	
Chlorobenzene	ug/L	50	54.9	110	70-130	
Chloroethane	ug/L	50	52.0	104	53-147	
Chloroform	ug/L	50	52.3	105	74-136	
Chloromethane	ug/L	50	26.2	52	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.7	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	53.7	107	70-130	
Dichlorodifluoromethane	ug/L	50	25.0	50	10-130	
Ethylbenzene	ug/L	50	56.0	112	80-124	
Isopropylbenzene (Cumene)	ug/L	50	58.5	117	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	63.0	126	54-137	
Methylene Chloride	ug/L	50	58.9	118	73-138	
o-Xylene	ug/L	50	57.4	115	70-130	
Styrene	ug/L	50	56.8	114	70-130	
Tetrachloroethene	ug/L	50	52.7	105	70-130	
Toluene	ug/L	50	52.7	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	60.6	121	73-145	
trans-1,3-Dichloropropene	ug/L	50	49.0	98	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	60.6	121	76-147	
Vinyl chloride	ug/L	50	42.9	86	51-120	
Xylene (Total)	ug/L	150	171	114	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862062 1862063

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187022006 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<122	12500	12500	13500	13200	108	105	70-130	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<138	12500	12500	12900	13100	104	105	70-130	1	20		
1,1,2-Trichloroethane	ug/L	<276	12500	12500	13000	13100	104	105	70-137	1	20		
1,1-Dichloroethane	ug/L	<136	12500	12500	12500	12500	100	100	73-153	0	20		
1,1-Dichloroethene	ug/L	<122	12500	12500	15000	14500	120	116	73-138	3	20		
1,2,4-Trichlorobenzene	ug/L	<476	12500	12500	12700	12800	102	102	70-130	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<882	12500	12500	12600	13400	101	107	58-129	6	20		
1,2-Dibromoethane (EDB)	ug/L	<415	12500	12500	13500	13700	108	109	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<353	12500	12500	13000	13200	104	106	70-130	2	20		
1,2-Dichloroethane	ug/L	<140	12500	12500	12600	12600	101	101	75-140	0	20		
1,2-Dichloropropane	ug/L	<141	12500	12500	12500	12600	100	101	71-138	1	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862062		1862063		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40187022006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<314	12500	12500	13300	13300	107	106	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<472	12500	12500	13100	13200	105	105	70-130	1	20		
Benzene	ug/L	<123	12500	12500	12700	12600	102	101	70-130	1	20		
Bromodichloromethane	ug/L	<182	12500	12500	12900	12700	103	102	70-130	1	20		
Bromoform	ug/L	<1990	12500	12500	13300	13600	107	108	68-129	2	20		
Bromomethane	ug/L	<486	12500	12500	12800	12500	100	98	15-170	2	20		
Carbon tetrachloride	ug/L	<82.9	12500	12500	13600	13300	109	106	70-130	3	20		
Chlorobenzene	ug/L	<355	12500	12500	13400	13400	107	107	70-130	0	20		
Chloroethane	ug/L	<671	12500	12500	12500	12100	100	97	51-148	3	20		
Chloroform	ug/L	<637	12500	12500	13000	12900	104	103	74-136	0	20		
Chloromethane	ug/L	<1090	12500	12500	6580	6460	53	52	23-115	2	20		
cis-1,2-Dichloroethene	ug/L	30000	12500	12500	43000	42200	104	98	70-131	2	20		
cis-1,3-Dichloropropene	ug/L	<1810	12500	12500	12600	12700	101	101	70-130	0	20		
Dibromochloromethane	ug/L	<1300	12500	12500	13400	13200	107	106	70-130	1	20		
Dichlorodifluoromethane	ug/L	<250	12500	12500	6070	6110	49	49	10-132	1	20		
Ethylbenzene	ug/L	<109	12500	12500	13900	13700	111	109	80-125	1	20		
Isopropylbenzene (Cumene)	ug/L	<196	12500	12500	14400	14200	115	114	70-130	1	20		
m&p-Xylene	ug/L	<233	25000	25000	28000	27700	112	111	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<623	12500	12500	15900	15900	127	127	51-145	0	20		
Methylene Chloride	ug/L	<290	12500	12500	14700	14800	118	118	73-140	1	20		
o-Xylene	ug/L	<131	12500	12500	14000	13800	112	110	70-130	1	20		
Styrene	ug/L	<233	12500	12500	13800	14000	111	112	70-130	1	20		
Tetrachloroethene	ug/L	60300	12500	12500	83800	82200	188	175	70-130	2	20	E,M1	
Toluene	ug/L	<86.1	12500	12500	13000	13100	104	105	80-131	0	20		
trans-1,2-Dichloroethene	ug/L	<545	12500	12500	14900	14900	119	119	73-148	0	20		
trans-1,3-Dichloropropene	ug/L	<2190	12500	12500	12100	12200	97	98	70-130	1	20		
Trichloroethene	ug/L	3310	12500	12500	17200	16900	111	109	70-130	2	20		
Trichlorofluoromethane	ug/L	<107	12500	12500	15300	15000	123	120	74-147	2	20		
Vinyl chloride	ug/L	<87.3	12500	12500	10600	10300	84	83	41-129	2	20		
Xylene (Total)	ug/L	<750	37500	37500	42000	41500	112	111	70-130	1	20		
4-Bromofluorobenzene (S)	%						97	96	70-130				
Dibromofluoromethane (S)	%						100	101	70-130				
Toluene-d8 (S)	%						97	97	70-130				

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

QC Batch: 28080 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: Iron, Ferrous
Associated Lab Samples: 40187022001, 40187022002, 40187022006

METHOD BLANK: 126376 Matrix: Water
Associated Lab Samples: 40187022001, 40187022002, 40187022006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	05/09/19 12:03	

LABORATORY CONTROL SAMPLE: 126377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.4	0.43	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 126378 126379

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2618271001 Result	Spike Conc.	Spike Conc.	Result								
Iron, Ferrous	mg/L	2.2	1.6	1.6	1.6	1.6	1.6	-33	-33	80-120	0	10	H3,M1

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

QC Batch: 320625 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40187022001, 40187022002

METHOD BLANK: 1862196 Matrix: Water
Associated Lab Samples: 40187022001, 40187022002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	05/10/19 10:59	

LABORATORY CONTROL SAMPLE: 1862197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862198 1862199

Parameter	Units	40186863001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Sulfate	mg/L	12.8	20	20	35.3	35.4	112	113	90-110	0	15	M0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862200 1862201

Parameter	Units	40186993003 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Sulfate	mg/L	11.6	20	20	33.3	33.6	109	110	90-110	1	15		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40187022

QC Batch: 320783 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40187022006

METHOD BLANK: 1863223 Matrix: Water
Associated Lab Samples: 40187022006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	05/10/19 10:46	

LABORATORY CONTROL SAMPLE: 1863224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.2	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863225 1863226

Parameter	Units	1863225		1863226		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187094001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	97.7	400	400	472	494	94	99	90-110	5	15

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863227 1863228

Parameter	Units	1863227		1863228		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187197004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	423	400	400	771	818	87	99	90-110	6	15 M0

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

QC Batch: 320717 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40187022001, 40187022002, 40187022006

METHOD BLANK: 1862744 Matrix: Water

Associated Lab Samples: 40187022001, 40187022002, 40187022006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	05/08/19 13:33	

LABORATORY CONTROL SAMPLE: 1862745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862746 1862747

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40186864026 Result	Spike Conc.	Spike Conc.	Result							Result
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.3	2.4	92	94	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862748 1862749

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40187022006 Result	Spike Conc.	Spike Conc.	Result							Result
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.3	2.3	91	91	90-110	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

QC Batch: 320823 Analysis Method: SM 5310C
 QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
 Associated Lab Samples: 40187022001, 40187022002, 40187022006

METHOD BLANK: 1863539 Matrix: Water

Associated Lab Samples: 40187022001, 40187022002, 40187022006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	05/10/19 08:53	

LABORATORY CONTROL SAMPLE: 1863540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863541 1863542

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187162025 Result	Spike Conc.	Spike Conc.	Conc.								
Total Organic Carbon	mg/L	5.9	3	3	3	9.2	9.0	109	101	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1864150 1864151

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187174001 Result	Spike Conc.	Spike Conc.	Conc.								
Total Organic Carbon	mg/L	2.7	1	1	1	3.8	3.8	104	110	80-120	2	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-GA Pace Analytical Services - Atlanta, GA

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.

H3 Sample was received or analysis requested beyond the recognized method holding time.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40187022

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187022001	MW-6	EPA 8015B Modified	320547		
40187022002	DUP-1	EPA 8015B Modified	320547		
40187022006	PZ-1R	EPA 8015B Modified	320547		
40187022001	MW-6	EPA 3010	320530	EPA 6020	320640
40187022002	DUP-1	EPA 3010	320530	EPA 6020	320640
40187022006	PZ-1R	EPA 3010	320530	EPA 6020	320640
40187022001	MW-6	EPA 8260	320421		
40187022002	DUP-1	EPA 8260	320421		
40187022003	MW-5	EPA 8260	320421		
40187022004	PZ-4	EPA 8260	320421		
40187022005	MW-4	EPA 8260	320422		
40187022006	PZ-1R	EPA 8260	320422		
40187022007	TB	EPA 8260	320422		
40187022001	MW-6	SM 3500 Fe -Fe2	28547		
40187022002	DUP-1	SM 3500 Fe -Fe2	28547		
40187022006	PZ-1R	SM 3500 Fe -Fe2	28547		
40187022001	MW-6	SM 3500-Fe B	28080		
40187022002	DUP-1	SM 3500-Fe B	28080		
40187022006	PZ-1R	SM 3500-Fe B	28080		
40187022001	MW-6	EPA 300.0	320625		
40187022002	DUP-1	EPA 300.0	320625		
40187022006	PZ-1R	EPA 300.0	320783		
40187022001	MW-6	EPA 353.2	320717		
40187022002	DUP-1	EPA 353.2	320717		
40187022006	PZ-1R	EPA 353.2	320717		
40187022001	MW-6	SM 5310C	320823		
40187022002	DUP-1	SM 5310C	320823		
40187022006	PZ-1R	SM 5310C	320823		

REPORT OF LABORATORY ANALYSIS

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Company Name: Ramboll
 Branch/Location: Brookfield, WI
 Project Contact: Susan DeRafeske
 Phone: 262-901-3501
 Project Number: 1690005819
 Project Name: MU - Former Hwy Vokt
 Project State: Wisconsin
 Sampled By (Print): Broad Marschke
 Sampled By (Sign): [Signature]
 PO #:

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

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

Y/N	N	N	N	N	N	Y	Y
Pick Letter	B	B	C	C	A	D	B
Analyses Requested	VOC	MEE	TOC	N+N	Sulfate	ICOO	Ferrous Ion
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X

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

MS/MSD (billable)
 On your sample
 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


Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact: Susan DeRafeske
 Invoice To Company: Ramboll
 Invoice To Address: 175 N. Corporate Dr. Brookfield, WI 53045
 Invoice To Phone: 262-901-3501
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-6	5/2/19	1105	GW
002	DUP-1		1105	
003	MW-5		1230	
004	PZ-4		1230	
005	MW-4		1410	
006	PZ-1R		1505	
007	TB			W

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:

Relinquished By: <u>[Signature]</u> Date/Time: <u>5/3/19 9:20</u>	Received By: <u>Mary Fannin</u> Date/Time: <u>5/3/19 9:20</u>
Relinquished By: <u>Mary Fannin</u> Date/Time: <u>6/3/19 11:45</u>	Received By: <u>[Signature]</u> Date/Time: <u>5/14/19 0810</u>
Relinquished By: <u>[Signature]</u> Date/Time: <u>5/14/19 0810</u>	Received By: <u>[Signature]</u> Date/Time: <u>5/14/19 0810</u>
Relinquished By: <u>[Signature]</u> Date/Time: <u>5/14/19 0810</u>	Received By: <u>[Signature]</u> Date/Time: <u>5/14/19 0810</u>


PACE Project No. 40187022
 Receipt Temp = 20 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: Rambell **Project #:** _____
Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

WO#: 40187022



40187022

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: 501 / Corr: _____

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

Person examining contents:
 Date: 5/4/19
 Initials: PG

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No pg #, mail</u> <u>5/4/19 PG</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <u>Ferrous Iron 5-4-19TK</u>
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
- Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>423</u>		

Client Notification/ Resolution: If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5/6/19
Page 2 of 2

August 30, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2019. 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

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CERTIFICATIONS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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

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SAMPLE SUMMARY

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40193042001	PZ-1R	Water	08/14/19 10:00	08/15/19 09:15
40193042002	EB-1	Water	08/14/19 10:35	08/15/19 09:15
40193042003	MW-6	Water	08/14/19 11:45	08/15/19 09:15
40193042004	MW-6 DUP	Water	08/14/19 11:45	08/15/19 09:15
40193042005	PZ-2R	Water	08/14/19 13:00	08/15/19 09:15
40193042006	MW-4	Water	08/14/19 13:55	08/15/19 09:15
40193042007	MW-5	Water	08/14/19 14:35	08/15/19 09:15
40193042008	PZ-4	Water	08/14/19 15:25	08/15/19 09:15
40193042009	TB-1 (TRIP BLANK)	Water	08/14/19 00:00	08/15/19 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40193042001	PZ-1R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40193042002	EB-1	EPA 8260	HNW	65	PASI-G
40193042003	MW-6	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40193042004	MW-6 DUP	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40193042005	PZ-2R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40193042006	MW-4	EPA 8260	HNW	65	PASI-G
40193042007	MW-5	EPA 8260	HNW	65	PASI-G
40193042008	PZ-4	EPA 8260	HNW	65	PASI-G
40193042009	TB-1 (TRIP BLANK)	EPA 8260	HNW	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40193042001	PZ-1R					
EPA 8015B Modified	Ethane	3060	ug/L	280	08/20/19 13:59	
EPA 8015B Modified	Ethene	87.2	ug/L	5.0	08/20/19 08:14	
EPA 8015B Modified	Methane	129	ug/L	2.8	08/20/19 08:14	
EPA 6020	Iron, Dissolved	5.7	mg/L	0.25	08/20/19 03:13	
EPA 8260	1,1-Dichloroethene	140J	ug/L	500	08/16/19 12:47	
EPA 8260	cis-1,2-Dichloroethene	108000	ug/L	500	08/16/19 12:47	
EPA 8260	Tetrachloroethene	83700	ug/L	544	08/16/19 12:47	
EPA 8260	Trichloroethene	5450	ug/L	500	08/16/19 12:47	
EPA 8260	Vinyl chloride	1110	ug/L	500	08/16/19 12:47	
SM 3500-Fe B	Iron, Ferrous	6.5	mg/L	1.6	08/27/19 16:46	H3
EPA 300.0	Sulfate	93.1	mg/L	15.0	08/26/19 12:15	
SM 5310C	Total Organic Carbon	184	mg/L	84.0	08/22/19 10:38	
40193042002	EB-1					
EPA 8260	cis-1,2-Dichloroethene	4.7	ug/L	1.0	08/19/19 11:36	
EPA 8260	Tetrachloroethene	18.2	ug/L	1.1	08/19/19 11:36	
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	08/19/19 11:36	
40193042003	MW-6					
EPA 6020	Iron, Dissolved	1.7	mg/L	0.25	08/20/19 03:20	
EPA 8260	cis-1,2-Dichloroethene	14.7	ug/L	1.0	08/16/19 14:17	M1
EPA 8260	Tetrachloroethene	1.3	ug/L	1.1	08/16/19 14:17	
EPA 8260	Trichloroethene	0.37J	ug/L	1.0	08/16/19 14:17	
EPA 8260	Vinyl chloride	1.6	ug/L	1.0	08/16/19 14:17	
SM 3500-Fe B	Iron, Ferrous	2.1	mg/L	0.80	08/27/19 16:50	H3
EPA 300.0	Sulfate	95.6	mg/L	15.0	08/26/19 12:29	
SM 5310C	Total Organic Carbon	0.57J	mg/L	0.84	08/23/19 09:01	
40193042004	MW-6 DUP					
EPA 6020	Iron, Dissolved	1.7	mg/L	0.25	08/20/19 03:27	
EPA 8260	cis-1,2-Dichloroethene	15.6	ug/L	1.0	08/16/19 13:55	
EPA 8260	Tetrachloroethene	1.2	ug/L	1.1	08/16/19 13:55	
EPA 8260	Trichloroethene	0.40J	ug/L	1.0	08/16/19 13:55	
EPA 8260	Vinyl chloride	1.8	ug/L	1.0	08/16/19 13:55	
SM 3500-Fe B	Iron, Ferrous	2.4	mg/L	0.80	08/27/19 16:52	H3
EPA 300.0	Sulfate	99.0	mg/L	15.0	08/23/19 18:07	
SM 5310C	Total Organic Carbon	0.60J	mg/L	0.84	08/23/19 09:22	
40193042005	PZ-2R					
EPA 8015B Modified	Ethane	0.82J	ug/L	5.6	08/20/19 08:35	
EPA 8015B Modified	Methane	22.0	ug/L	2.8	08/20/19 08:35	
EPA 6020	Iron, Dissolved	3.2	mg/L	0.25	08/20/19 03:33	
EPA 8260	cis-1,2-Dichloroethene	26.9	ug/L	1.0	08/16/19 14:40	
EPA 8260	Tetrachloroethene	12.7	ug/L	1.1	08/16/19 14:40	
EPA 8260	Trichloroethene	0.39J	ug/L	1.0	08/16/19 14:40	
EPA 8260	Vinyl chloride	15.5	ug/L	1.0	08/16/19 14:40	
SM 3500-Fe B	Iron, Ferrous	3.6	mg/L	1.6	08/27/19 16:54	H3
EPA 300.0	Sulfate	164	mg/L	30.0	08/26/19 12:43	
SM 5310C	Total Organic Carbon	0.40J	mg/L	0.84	08/23/19 09:43	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40193042006	MW-4					
EPA 8260	cis-1,2-Dichloroethene	0.43J	ug/L	1.0	08/19/19 12:21	
EPA 8260	Tetrachloroethene	79.1	ug/L	1.1	08/19/19 12:21	
EPA 8260	Trichloroethene	0.99J	ug/L	1.0	08/19/19 12:21	
40193042007	MW-5					
EPA 8260	cis-1,2-Dichloroethene	31.2	ug/L	1.0	08/16/19 15:02	
EPA 8260	Tetrachloroethene	29.1	ug/L	1.1	08/16/19 15:02	
EPA 8260	Trichloroethene	5.9	ug/L	1.0	08/16/19 15:02	
EPA 8260	Vinyl chloride	0.73J	ug/L	1.0	08/16/19 15:02	
40193042008	PZ-4					
EPA 8260	Tetrachloroethene	15.8	ug/L	1.1	08/19/19 12:44	
EPA 8260	Vinyl chloride	1.8	ug/L	1.0	08/19/19 12:44	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: PZ-1R **Lab ID: 40193042001** Collected: 08/14/19 10:00 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	3060	ug/L	280	28.8	50		08/20/19 13:59	74-84-0	
Ethene	87.2	ug/L	5.0	0.52	1		08/20/19 08:14	74-85-1	
Methane	129	ug/L	2.8	1.4	1		08/20/19 08:14	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	5.7	mg/L	0.25	0.058	1	08/16/19 06:45	08/20/19 03:13	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<123	ug/L	500	123	500		08/16/19 12:47	71-43-2	
Bromobenzene	<121	ug/L	500	121	500		08/16/19 12:47	108-86-1	
Bromochloromethane	<181	ug/L	2500	181	500		08/16/19 12:47	74-97-5	
Bromodichloromethane	<182	ug/L	606	182	500		08/16/19 12:47	75-27-4	
Bromoform	<1990	ug/L	6620	1990	500		08/16/19 12:47	75-25-2	
Bromomethane	<486	ug/L	2500	486	500		08/16/19 12:47	74-83-9	
n-Butylbenzene	<354	ug/L	1180	354	500		08/16/19 12:47	104-51-8	
sec-Butylbenzene	<424	ug/L	2500	424	500		08/16/19 12:47	135-98-8	
tert-Butylbenzene	<152	ug/L	506	152	500		08/16/19 12:47	98-06-6	
Carbon tetrachloride	<82.9	ug/L	500	82.9	500		08/16/19 12:47	56-23-5	
Chlorobenzene	<355	ug/L	1180	355	500		08/16/19 12:47	108-90-7	
Chloroethane	<671	ug/L	2500	671	500		08/16/19 12:47	75-00-3	
Chloroform	<637	ug/L	2500	637	500		08/16/19 12:47	67-66-3	
Chloromethane	<1090	ug/L	3650	1090	500		08/16/19 12:47	74-87-3	
2-Chlorotoluene	<463	ug/L	2500	463	500		08/16/19 12:47	95-49-8	
4-Chlorotoluene	<378	ug/L	1260	378	500		08/16/19 12:47	106-43-4	
1,2-Dibromo-3-chloropropane	<882	ug/L	2940	882	500		08/16/19 12:47	96-12-8	
Dibromochloromethane	<1300	ug/L	4340	1300	500		08/16/19 12:47	124-48-1	
1,2-Dibromoethane (EDB)	<415	ug/L	1380	415	500		08/16/19 12:47	106-93-4	
Dibromomethane	<468	ug/L	1560	468	500		08/16/19 12:47	74-95-3	
1,2-Dichlorobenzene	<353	ug/L	1180	353	500		08/16/19 12:47	95-50-1	
1,3-Dichlorobenzene	<314	ug/L	1050	314	500		08/16/19 12:47	541-73-1	
1,4-Dichlorobenzene	<472	ug/L	1570	472	500		08/16/19 12:47	106-46-7	
Dichlorodifluoromethane	<250	ug/L	2500	250	500		08/16/19 12:47	75-71-8	
1,1-Dichloroethane	<136	ug/L	500	136	500		08/16/19 12:47	75-34-3	
1,2-Dichloroethane	<140	ug/L	500	140	500		08/16/19 12:47	107-06-2	
1,1-Dichloroethene	140J	ug/L	500	122	500		08/16/19 12:47	75-35-4	
cis-1,2-Dichloroethene	108000	ug/L	500	136	500		08/16/19 12:47	156-59-2	
trans-1,2-Dichloroethene	<545	ug/L	1820	545	500		08/16/19 12:47	156-60-5	
1,2-Dichloropropane	<141	ug/L	500	141	500		08/16/19 12:47	78-87-5	
1,3-Dichloropropane	<413	ug/L	1380	413	500		08/16/19 12:47	142-28-9	
2,2-Dichloropropane	<1130	ug/L	3780	1130	500		08/16/19 12:47	594-20-7	
1,1-Dichloropropene	<270	ug/L	900	270	500		08/16/19 12:47	563-58-6	
cis-1,3-Dichloropropene	<1810	ug/L	6050	1810	500		08/16/19 12:47	10061-01-5	
trans-1,3-Dichloropropene	<2190	ug/L	7280	2190	500		08/16/19 12:47	10061-02-6	
Diisopropyl ether	<944	ug/L	3150	944	500		08/16/19 12:47	108-20-3	
Ethylbenzene	<109	ug/L	500	109	500		08/16/19 12:47	100-41-4	
Hexachloro-1,3-butadiene	<591	ug/L	2500	591	500		08/16/19 12:47	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: PZ-1R **Lab ID: 40193042001** Collected: 08/14/19 10:00 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Isopropylbenzene (Cumene)	<196	ug/L	2500	196	500		08/16/19 12:47	98-82-8	
p-Isopropyltoluene	<400	ug/L	1330	400	500		08/16/19 12:47	99-87-6	
Methylene Chloride	<290	ug/L	2500	290	500		08/16/19 12:47	75-09-2	
Methyl-tert-butyl ether	<623	ug/L	2080	623	500		08/16/19 12:47	1634-04-4	
Naphthalene	<588	ug/L	2500	588	500		08/16/19 12:47	91-20-3	
n-Propylbenzene	<405	ug/L	2500	405	500		08/16/19 12:47	103-65-1	
Styrene	<233	ug/L	776	233	500		08/16/19 12:47	100-42-5	
1,1,1,2-Tetrachloroethane	<135	ug/L	500	135	500		08/16/19 12:47	630-20-6	
1,1,2,2-Tetrachloroethane	<138	ug/L	500	138	500		08/16/19 12:47	79-34-5	
Tetrachloroethene	83700	ug/L	544	163	500		08/16/19 12:47	127-18-4	
Toluene	<86.1	ug/L	2500	86.1	500		08/16/19 12:47	108-88-3	
1,2,3-Trichlorobenzene	<313	ug/L	2500	313	500		08/16/19 12:47	87-61-6	
1,2,4-Trichlorobenzene	<476	ug/L	2500	476	500		08/16/19 12:47	120-82-1	
1,1,1-Trichloroethane	<122	ug/L	500	122	500		08/16/19 12:47	71-55-6	
1,1,2-Trichloroethane	<276	ug/L	2500	276	500		08/16/19 12:47	79-00-5	
Trichloroethene	5450	ug/L	500	128	500		08/16/19 12:47	79-01-6	
Trichlorofluoromethane	<107	ug/L	500	107	500		08/16/19 12:47	75-69-4	
1,2,3-Trichloropropane	<295	ug/L	2500	295	500		08/16/19 12:47	96-18-4	
1,2,4-Trimethylbenzene	<420	ug/L	1400	420	500		08/16/19 12:47	95-63-6	
1,3,5-Trimethylbenzene	<437	ug/L	1460	437	500		08/16/19 12:47	108-67-8	
Vinyl chloride	1110	ug/L	500	87.3	500		08/16/19 12:47	75-01-4	
Xylene (Total)	<750	ug/L	1500	750	500		08/16/19 12:47	1330-20-7	
m&p-Xylene	<233	ug/L	1000	233	500		08/16/19 12:47	179601-23-1	
o-Xylene	<131	ug/L	500	131	500		08/16/19 12:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		500		08/16/19 12:47	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		500		08/16/19 12:47	1868-53-7	
Toluene-d8 (S)	96	%	70-130		500		08/16/19 12:47	2037-26-5	
Iron, Ferric (Calculation) Analytical Method: SM 3500 Fe -Fe2									
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		08/29/19 17:08	7439-89-6	
Iron, Ferrous Analytical Method: SM 3500-Fe B									
Iron, Ferrous	6.5	mg/L	1.6	1.6	8		08/27/19 16:46		H3
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	93.1	mg/L	15.0	5.0	5		08/26/19 12:15	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		08/27/19 13:01		
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	184	mg/L	84.0	25.2	100		08/22/19 10:38	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Sample Project No.: 40193042

Sample: EB-1 **Lab ID: 40193042002** Collected: 08/14/19 10:35 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		08/19/19 11:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/19/19 11:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/19/19 11:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/19/19 11:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/19/19 11:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/19/19 11:36	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 11:36	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/19/19 11:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/19/19 11:36	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/19/19 11:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 11:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/19/19 11:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/19/19 11:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/19/19 11:36	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/19/19 11:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/19/19 11:36	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/19/19 11:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/19/19 11:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/19/19 11:36	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/19/19 11:36	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 11:36	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/19/19 11:36	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/19/19 11:36	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/19/19 11:36	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 11:36	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 11:36	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/19/19 11:36	75-35-4	
cis-1,2-Dichloroethene	4.7	ug/L	1.0	0.27	1		08/19/19 11:36	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/19/19 11:36	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/19/19 11:36	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/19/19 11:36	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/19/19 11:36	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/19/19 11:36	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/19/19 11:36	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/19/19 11:36	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/19/19 11:36	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/19/19 11:36	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/19/19 11:36	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/19/19 11:36	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/19/19 11:36	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/19/19 11:36	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/19/19 11:36	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/19/19 11:36	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/19/19 11:36	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/19/19 11:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 11:36	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: EB-1 **Lab ID: 40193042002** Collected: 08/14/19 10:35 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 11:36	79-34-5	
Tetrachloroethene	18.2	ug/L	1.1	0.33	1		08/19/19 11:36	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/19/19 11:36	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/19/19 11:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/19/19 11:36	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/19/19 11:36	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/19/19 11:36	79-00-5	
Trichloroethene	0.41J	ug/L	1.0	0.26	1		08/19/19 11:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/19/19 11:36	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/19/19 11:36	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/19/19 11:36	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/19/19 11:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/19/19 11:36	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/19/19 11:36	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/19/19 11:36	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/19/19 11:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/19/19 11:36	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/19/19 11:36	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/19/19 11:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Sample Project No.: 40193042

Sample: MW-6 **Lab ID: 40193042003** Collected: 08/14/19 11:45 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		08/20/19 11:42	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		08/20/19 11:42	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		08/20/19 11:42	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	1.7	mg/L	0.25	0.058	1	08/16/19 06:45	08/20/19 03:20	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		08/16/19 14:17	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/16/19 14:17	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/16/19 14:17	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/16/19 14:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/16/19 14:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/16/19 14:17	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 14:17	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/16/19 14:17	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/16/19 14:17	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/16/19 14:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 14:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/16/19 14:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/16/19 14:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/16/19 14:17	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/16/19 14:17	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/16/19 14:17	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/16/19 14:17	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/16/19 14:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/16/19 14:17	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/16/19 14:17	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 14:17	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/16/19 14:17	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/16/19 14:17	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/16/19 14:17	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 14:17	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 14:17	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/16/19 14:17	75-35-4	
cis-1,2-Dichloroethene	14.7	ug/L	1.0	0.27	1		08/16/19 14:17	156-59-2	M1
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/16/19 14:17	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/16/19 14:17	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/16/19 14:17	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/16/19 14:17	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/16/19 14:17	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/16/19 14:17	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/16/19 14:17	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/16/19 14:17	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/16/19 14:17	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/16/19 14:17	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: MW-6 **Lab ID: 40193042003** Collected: 08/14/19 11:45 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/16/19 14:17	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/16/19 14:17	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/16/19 14:17	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/16/19 14:17	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/16/19 14:17	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/16/19 14:17	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/16/19 14:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 14:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 14:17	79-34-5	
Tetrachloroethene	1.3	ug/L	1.1	0.33	1		08/16/19 14:17	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/16/19 14:17	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/16/19 14:17	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/16/19 14:17	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/16/19 14:17	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/16/19 14:17	79-00-5	
Trichloroethene	0.37J	ug/L	1.0	0.26	1		08/16/19 14:17	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/16/19 14:17	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/16/19 14:17	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/16/19 14:17	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/16/19 14:17	108-67-8	
Vinyl chloride	1.6	ug/L	1.0	0.17	1		08/16/19 14:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/16/19 14:17	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/16/19 14:17	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/16/19 14:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		08/16/19 14:17	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		08/16/19 14:17	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/16/19 14:17	2037-26-5	
Iron, Ferric (Calculation)		Analytical Method: SM 3500 Fe -Fe2							
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		08/29/19 17:08	7439-89-6	
Iron, Ferrous		Analytical Method: SM 3500-Fe B							
Iron, Ferrous	2.1	mg/L	0.80	0.80	4		08/27/19 16:50		H3
300.0 IC Anions		Analytical Method: EPA 300.0							
Sulfate	95.6	mg/L	15.0	5.0	5		08/26/19 12:29	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		08/27/19 13:02		
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	0.57J	mg/L	0.84	0.25	1		08/23/19 09:01	7440-44-0	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: MW-6 DUP **Lab ID: 40193042004** Collected: 08/14/19 11:45 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		08/20/19 08:28	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		08/20/19 08:28	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		08/20/19 08:28	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	1.7	mg/L	0.25	0.058	1	08/16/19 06:45	08/20/19 03:27	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		08/16/19 13:55	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/16/19 13:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/16/19 13:55	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/16/19 13:55	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/16/19 13:55	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/16/19 13:55	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 13:55	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/16/19 13:55	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/16/19 13:55	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/16/19 13:55	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 13:55	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/16/19 13:55	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/16/19 13:55	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/16/19 13:55	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/16/19 13:55	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/16/19 13:55	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/16/19 13:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/16/19 13:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/16/19 13:55	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/16/19 13:55	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 13:55	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/16/19 13:55	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/16/19 13:55	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/16/19 13:55	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 13:55	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 13:55	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/16/19 13:55	75-35-4	
cis-1,2-Dichloroethene	15.6	ug/L	1.0	0.27	1		08/16/19 13:55	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/16/19 13:55	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/16/19 13:55	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/16/19 13:55	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/16/19 13:55	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/16/19 13:55	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/16/19 13:55	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/16/19 13:55	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/16/19 13:55	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/16/19 13:55	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/16/19 13:55	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: MW-6 DUP **Lab ID: 40193042004** Collected: 08/14/19 11:45 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/16/19 13:55	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/16/19 13:55	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/16/19 13:55	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/16/19 13:55	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/16/19 13:55	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/16/19 13:55	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/16/19 13:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 13:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 13:55	79-34-5	
Tetrachloroethene	1.2	ug/L	1.1	0.33	1		08/16/19 13:55	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/16/19 13:55	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/16/19 13:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/16/19 13:55	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/16/19 13:55	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/16/19 13:55	79-00-5	
Trichloroethene	0.40J	ug/L	1.0	0.26	1		08/16/19 13:55	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/16/19 13:55	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/16/19 13:55	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/16/19 13:55	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/16/19 13:55	108-67-8	
Vinyl chloride	1.8	ug/L	1.0	0.17	1		08/16/19 13:55	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/16/19 13:55	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/16/19 13:55	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/16/19 13:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		08/16/19 13:55	460-00-4	
Dibromofluoromethane (S)	121	%	70-130		1		08/16/19 13:55	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/16/19 13:55	2037-26-5	
Iron, Ferric (Calculation)		Analytical Method: SM 3500 Fe -Fe2							
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		08/29/19 17:08	7439-89-6	
Iron, Ferrous		Analytical Method: SM 3500-Fe B							
Iron, Ferrous	2.4	mg/L	0.80	0.80	4		08/27/19 16:52		H3
300.0 IC Anions		Analytical Method: EPA 300.0							
Sulfate	99.0	mg/L	15.0	5.0	5		08/23/19 18:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		08/27/19 13:02		
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	0.60J	mg/L	0.84	0.25	1		08/23/19 09:22	7440-44-0	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

Sample: PZ-2R **Lab ID: 40193042005** Collected: 08/14/19 13:00 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	0.82J	ug/L	5.6	0.58	1		08/20/19 08:35	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		08/20/19 08:35	74-85-1	
Methane	22.0	ug/L	2.8	1.4	1		08/20/19 08:35	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron, Dissolved	3.2	mg/L	0.25	0.058	1	08/16/19 06:45	08/20/19 03:33	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		08/16/19 14:40	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/16/19 14:40	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/16/19 14:40	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/16/19 14:40	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/16/19 14:40	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/16/19 14:40	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 14:40	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/16/19 14:40	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/16/19 14:40	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/16/19 14:40	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 14:40	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/16/19 14:40	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/16/19 14:40	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/16/19 14:40	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/16/19 14:40	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/16/19 14:40	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/16/19 14:40	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/16/19 14:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/16/19 14:40	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/16/19 14:40	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 14:40	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/16/19 14:40	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/16/19 14:40	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/16/19 14:40	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 14:40	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 14:40	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/16/19 14:40	75-35-4	
cis-1,2-Dichloroethene	26.9	ug/L	1.0	0.27	1		08/16/19 14:40	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/16/19 14:40	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/16/19 14:40	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/16/19 14:40	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/16/19 14:40	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/16/19 14:40	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/16/19 14:40	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/16/19 14:40	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/16/19 14:40	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/16/19 14:40	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/16/19 14:40	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: PZ-2R **Lab ID: 40193042005** Collected: 08/14/19 13:00 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/16/19 14:40	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/16/19 14:40	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/16/19 14:40	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/16/19 14:40	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/16/19 14:40	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/16/19 14:40	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/16/19 14:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 14:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 14:40	79-34-5	
Tetrachloroethene	12.7	ug/L	1.1	0.33	1		08/16/19 14:40	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/16/19 14:40	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/16/19 14:40	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/16/19 14:40	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/16/19 14:40	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/16/19 14:40	79-00-5	
Trichloroethene	0.39J	ug/L	1.0	0.26	1		08/16/19 14:40	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/16/19 14:40	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/16/19 14:40	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/16/19 14:40	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/16/19 14:40	108-67-8	
Vinyl chloride	15.5	ug/L	1.0	0.17	1		08/16/19 14:40	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/16/19 14:40	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/16/19 14:40	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/16/19 14:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		08/16/19 14:40	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		08/16/19 14:40	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/16/19 14:40	2037-26-5	
Iron, Ferric (Calculation) Analytical Method: SM 3500 Fe -Fe2									
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		08/29/19 17:08	7439-89-6	
Iron, Ferrous Analytical Method: SM 3500-Fe B									
Iron, Ferrous	3.6	mg/L	1.6	1.6	8		08/27/19 16:54		H3
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	164	mg/L	30.0	10.0	10		08/26/19 12:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		08/27/19 13:05		
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	0.40J	mg/L	0.84	0.25	1		08/23/19 09:43	7440-44-0	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: MW-4 **Lab ID: 40193042006** Collected: 08/14/19 13:55 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		08/19/19 12:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/19/19 12:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/19/19 12:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/19/19 12:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/19/19 12:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/19/19 12:21	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 12:21	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/19/19 12:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/19/19 12:21	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/19/19 12:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 12:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/19/19 12:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/19/19 12:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/19/19 12:21	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/19/19 12:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/19/19 12:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/19/19 12:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/19/19 12:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/19/19 12:21	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/19/19 12:21	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 12:21	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/19/19 12:21	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/19/19 12:21	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/19/19 12:21	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 12:21	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 12:21	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/19/19 12:21	75-35-4	
cis-1,2-Dichloroethene	0.43J	ug/L	1.0	0.27	1		08/19/19 12:21	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/19/19 12:21	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/19/19 12:21	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/19/19 12:21	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/19/19 12:21	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/19/19 12:21	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/19/19 12:21	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/19/19 12:21	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/19/19 12:21	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/19/19 12:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/19/19 12:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/19/19 12:21	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/19/19 12:21	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/19/19 12:21	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/19/19 12:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/19/19 12:21	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/19/19 12:21	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/19/19 12:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 12:21	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

Sample: MW-4 **Lab ID: 40193042006** Collected: 08/14/19 13:55 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 12:21	79-34-5	
Tetrachloroethene	79.1	ug/L	1.1	0.33	1		08/19/19 12:21	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/19/19 12:21	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/19/19 12:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/19/19 12:21	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/19/19 12:21	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/19/19 12:21	79-00-5	
Trichloroethene	0.99J	ug/L	1.0	0.26	1		08/19/19 12:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/19/19 12:21	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/19/19 12:21	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/19/19 12:21	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/19/19 12:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/19/19 12:21	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/19/19 12:21	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/19/19 12:21	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/19/19 12:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		08/19/19 12:21	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/19/19 12:21	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/19/19 12:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: MW-5 **Lab ID: 40193042007** Collected: 08/14/19 14:35 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		08/16/19 15:02	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/16/19 15:02	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/16/19 15:02	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/16/19 15:02	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/16/19 15:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/16/19 15:02	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 15:02	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/16/19 15:02	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/16/19 15:02	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/16/19 15:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 15:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/16/19 15:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/16/19 15:02	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/16/19 15:02	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/16/19 15:02	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/16/19 15:02	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/16/19 15:02	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/16/19 15:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/16/19 15:02	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/16/19 15:02	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/16/19 15:02	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/16/19 15:02	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/16/19 15:02	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/16/19 15:02	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 15:02	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 15:02	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/16/19 15:02	75-35-4	
cis-1,2-Dichloroethene	31.2	ug/L	1.0	0.27	1		08/16/19 15:02	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/16/19 15:02	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/16/19 15:02	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/16/19 15:02	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/16/19 15:02	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/16/19 15:02	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/16/19 15:02	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/16/19 15:02	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/16/19 15:02	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/16/19 15:02	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/16/19 15:02	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/16/19 15:02	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/16/19 15:02	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/16/19 15:02	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/16/19 15:02	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/16/19 15:02	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/16/19 15:02	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/16/19 15:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/16/19 15:02	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

Sample: MW-5 **Lab ID: 40193042007** Collected: 08/14/19 14:35 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/16/19 15:02	79-34-5	
Tetrachloroethene	29.1	ug/L	1.1	0.33	1		08/16/19 15:02	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/16/19 15:02	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/16/19 15:02	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/16/19 15:02	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/16/19 15:02	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/16/19 15:02	79-00-5	
Trichloroethene	5.9	ug/L	1.0	0.26	1		08/16/19 15:02	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/16/19 15:02	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/16/19 15:02	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/16/19 15:02	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/16/19 15:02	108-67-8	
Vinyl chloride	0.73J	ug/L	1.0	0.17	1		08/16/19 15:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/16/19 15:02	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/16/19 15:02	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/16/19 15:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		08/16/19 15:02	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		08/16/19 15:02	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		08/16/19 15:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: PZ-4 **Lab ID: 40193042008** Collected: 08/14/19 15:25 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		08/19/19 12:44	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/19/19 12:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/19/19 12:44	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/19/19 12:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/19/19 12:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/19/19 12:44	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 12:44	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/19/19 12:44	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/19/19 12:44	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/19/19 12:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 12:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/19/19 12:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/19/19 12:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/19/19 12:44	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/19/19 12:44	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/19/19 12:44	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/19/19 12:44	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/19/19 12:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/19/19 12:44	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/19/19 12:44	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 12:44	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/19/19 12:44	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/19/19 12:44	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/19/19 12:44	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 12:44	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 12:44	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/19/19 12:44	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/19/19 12:44	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/19/19 12:44	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/19/19 12:44	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/19/19 12:44	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/19/19 12:44	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/19/19 12:44	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/19/19 12:44	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/19/19 12:44	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/19/19 12:44	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/19/19 12:44	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/19/19 12:44	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/19/19 12:44	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/19/19 12:44	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/19/19 12:44	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/19/19 12:44	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/19/19 12:44	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/19/19 12:44	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/19/19 12:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 12:44	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: PZ-4 **Lab ID: 40193042008** Collected: 08/14/19 15:25 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 12:44	79-34-5	
Tetrachloroethene	15.8	ug/L	1.1	0.33	1		08/19/19 12:44	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/19/19 12:44	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/19/19 12:44	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/19/19 12:44	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/19/19 12:44	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/19/19 12:44	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/19/19 12:44	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/19/19 12:44	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/19/19 12:44	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/19/19 12:44	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/19/19 12:44	108-67-8	
Vinyl chloride	1.8	ug/L	1.0	0.17	1		08/19/19 12:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/19/19 12:44	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/19/19 12:44	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/19/19 12:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		08/19/19 12:44	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/19/19 12:44	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/19/19 12:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: TB-1 (TRIP BLANK) **Lab ID: 40193042009** Collected: 08/14/19 00:00 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		08/19/19 11:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/19/19 11:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/19/19 11:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/19/19 11:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/19/19 11:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/19/19 11:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 11:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/19/19 11:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/19/19 11:58	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/19/19 11:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 11:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/19/19 11:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/19/19 11:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/19/19 11:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/19/19 11:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/19/19 11:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/19/19 11:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/19/19 11:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/19/19 11:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/19/19 11:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/19/19 11:58	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/19/19 11:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/19/19 11:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/19/19 11:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 11:58	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 11:58	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/19/19 11:58	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/19/19 11:58	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/19/19 11:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/19/19 11:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/19/19 11:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/19/19 11:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/19/19 11:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/19/19 11:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/19/19 11:58	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/19/19 11:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/19/19 11:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/19/19 11:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/19/19 11:58	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/19/19 11:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/19/19 11:58	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/19/19 11:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/19/19 11:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/19/19 11:58	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/19/19 11:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/19/19 11:58	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Sample: TB-1 (TRIP BLANK) **Lab ID: 40193042009** Collected: 08/14/19 00:00 Received: 08/15/19 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/19/19 11:58	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/19/19 11:58	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		08/19/19 11:58	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/19/19 11:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/19/19 11:58	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/19/19 11:58	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/19/19 11:58	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/19/19 11:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/19/19 11:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/19/19 11:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/19/19 11:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/19/19 11:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/19/19 11:58	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/19/19 11:58	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/19/19 11:58	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/19/19 11:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		08/19/19 11:58	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/19/19 11:58	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/19/19 11:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

QC Batch: 331139 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

METHOD BLANK: 1921621 Matrix: Water
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	08/20/19 07:45	
Ethene	ug/L	<0.52	5.0	08/20/19 07:45	
Methane	ug/L	<1.4	2.8	08/20/19 07:45	

LABORATORY CONTROL SAMPLE & LCSD: 1921622

Parameter	Units	1921622		1921623		% Rec	LCSD	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD							
Ethane	ug/L	53.6	51.4	52.5	96	98	80-120	2	20			
Ethene	ug/L	50	47.5	48.4	95	97	80-120	2	20			
Methane	ug/L	28.6	27.9	28.4	98	100	80-120	2	20			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1921624 1921625

Parameter	Units	40193171006		MS		MSD		% Rec	MSD	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MS Spike Conc.	MS Result	MSD Result								
Ethane	ug/L	<14.4	1340	1340	1260	1320	94	99	80-120	5	20			
Ethene	ug/L	<13.1	1250	1250	1160	1210	93	97	80-120	5	20			
Methane	ug/L	3850	714	714	5340	5670	210	255	77-122	6	20	M1		

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

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

QC Batch: 330828 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET Dissolved
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

METHOD BLANK: 1919575 Matrix: Water
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	mg/L	<0.058	0.25	08/20/19 01:57	

LABORATORY CONTROL SAMPLE: 1919576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	mg/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919577 1919578

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40193038002 Result	Spike Conc.	Spike Conc.	Conc.								
Iron, Dissolved	mg/L	9510 ug/L	5	5	14.4	13.9	97	88	75-125	3	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

QC Batch: 330793 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40193042001, 40193042002, 40193042003, 40193042004, 40193042005, 40193042006, 40193042007, 40193042008, 40193042009

METHOD BLANK: 1919118 Matrix: Water
 Associated Lab Samples: 40193042001, 40193042002, 40193042003, 40193042004, 40193042005, 40193042006, 40193042007, 40193042008, 40193042009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/16/19 06:48	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/16/19 06:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/16/19 06:48	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/16/19 06:48	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/16/19 06:48	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/16/19 06:48	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/16/19 06:48	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/16/19 06:48	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/16/19 06:48	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/16/19 06:48	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/16/19 06:48	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/16/19 06:48	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/16/19 06:48	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/16/19 06:48	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/16/19 06:48	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/16/19 06:48	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/16/19 06:48	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/16/19 06:48	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/16/19 06:48	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/16/19 06:48	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/16/19 06:48	
2-Chlorotoluene	ug/L	<0.93	5.0	08/16/19 06:48	
4-Chlorotoluene	ug/L	<0.76	2.5	08/16/19 06:48	
Benzene	ug/L	<0.25	1.0	08/16/19 06:48	
Bromobenzene	ug/L	<0.24	1.0	08/16/19 06:48	
Bromochloromethane	ug/L	<0.36	5.0	08/16/19 06:48	
Bromodichloromethane	ug/L	<0.36	1.2	08/16/19 06:48	
Bromoform	ug/L	<4.0	13.2	08/16/19 06:48	
Bromomethane	ug/L	<0.97	5.0	08/16/19 06:48	
Carbon tetrachloride	ug/L	<0.17	1.0	08/16/19 06:48	
Chlorobenzene	ug/L	<0.71	2.4	08/16/19 06:48	
Chloroethane	ug/L	<1.3	5.0	08/16/19 06:48	
Chloroform	ug/L	<1.3	5.0	08/16/19 06:48	
Chloromethane	ug/L	<2.2	7.3	08/16/19 06:48	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/16/19 06:48	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/16/19 06:48	
Dibromochloromethane	ug/L	<2.6	8.7	08/16/19 06:48	
Dibromomethane	ug/L	<0.94	3.1	08/16/19 06:48	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/16/19 06:48	
Diisopropyl ether	ug/L	<1.9	6.3	08/16/19 06:48	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

METHOD BLANK: 1919118 Matrix: Water
Associated Lab Samples: 40193042001, 40193042002, 40193042003, 40193042004, 40193042005, 40193042006, 40193042007, 40193042008, 40193042009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	08/16/19 06:48	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/16/19 06:48	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	08/16/19 06:48	
m&p-Xylene	ug/L	<0.47	2.0	08/16/19 06:48	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/16/19 06:48	
Methylene Chloride	ug/L	<0.58	5.0	08/16/19 06:48	
n-Butylbenzene	ug/L	<0.71	2.4	08/16/19 06:48	
n-Propylbenzene	ug/L	<0.81	5.0	08/16/19 06:48	
Naphthalene	ug/L	<1.2	5.0	08/16/19 06:48	
o-Xylene	ug/L	<0.26	1.0	08/16/19 06:48	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/16/19 06:48	
sec-Butylbenzene	ug/L	<0.85	5.0	08/16/19 06:48	
Styrene	ug/L	<0.47	1.6	08/16/19 06:48	
tert-Butylbenzene	ug/L	<0.30	1.0	08/16/19 06:48	
Tetrachloroethene	ug/L	<0.33	1.1	08/16/19 06:48	
Toluene	ug/L	<0.17	5.0	08/16/19 06:48	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/16/19 06:48	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/16/19 06:48	
Trichloroethene	ug/L	<0.26	1.0	08/16/19 06:48	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/16/19 06:48	
Vinyl chloride	ug/L	<0.17	1.0	08/16/19 06:48	
Xylene (Total)	ug/L	<1.5	3.0	08/16/19 06:48	
4-Bromofluorobenzene (S)	%	84	70-130	08/16/19 06:48	
Dibromofluoromethane (S)	%	121	70-130	08/16/19 06:48	
Toluene-d8 (S)	%	96	70-130	08/16/19 06:48	

LABORATORY CONTROL SAMPLE: 1919119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	70-130	
1,1,2-Trichloroethane	ug/L	50	55.5	111	70-130	
1,1-Dichloroethane	ug/L	50	56.6	113	73-150	
1,1-Dichloroethene	ug/L	50	52.8	106	73-138	
1,2,4-Trichlorobenzene	ug/L	50	39.2	78	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	36.0	72	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	70-130	
1,2-Dichlorobenzene	ug/L	50	48.2	96	70-130	
1,2-Dichloroethane	ug/L	50	57.2	114	75-140	
1,2-Dichloropropane	ug/L	50	67.7	135	73-135	
1,3-Dichlorobenzene	ug/L	50	46.7	93	70-130	
1,4-Dichlorobenzene	ug/L	50	51.4	103	70-130	
Benzene	ug/L	50	59.7	119	70-130	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

LABORATORY CONTROL SAMPLE: 1919119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	54.8	110	70-130	
Bromoform	ug/L	50	41.7	83	68-129	
Bromomethane	ug/L	50	38.4	77	18-159	
Carbon tetrachloride	ug/L	50	55.6	111	70-130	
Chlorobenzene	ug/L	50	56.2	112	70-130	
Chloroethane	ug/L	50	46.2	92	53-147	
Chloroform	ug/L	50	55.8	112	74-136	
Chloromethane	ug/L	50	31.8	64	29-115	
cis-1,2-Dichloroethene	ug/L	50	64.6	129	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	70-130	
Dibromochloromethane	ug/L	50	49.9	100	70-130	
Dichlorodifluoromethane	ug/L	50	15.7	31	10-130	
Ethylbenzene	ug/L	50	55.7	111	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.2	108	70-130	
m&p-Xylene	ug/L	100	116	116	70-130	
Methyl-tert-butyl ether	ug/L	50	43.7	87	54-137	
Methylene Chloride	ug/L	50	54.3	109	73-138	
o-Xylene	ug/L	50	54.5	109	70-130	
Styrene	ug/L	50	57.7	115	70-130	
Tetrachloroethene	ug/L	50	53.5	107	70-130	
Toluene	ug/L	50	57.4	115	80-126	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	70-130	
Trichloroethene	ug/L	50	57.2	114	70-130	
Trichlorofluoromethane	ug/L	50	51.4	103	76-147	
Vinyl chloride	ug/L	50	39.1	78	51-120	
Xylene (Total)	ug/L	150	171	114	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			110	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919581 1919582

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40193042003 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	52.6	55.1	105	110	70-130	5	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.5	50.0	95	100	70-130	5	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.4	55.1	105	110	70-137	5	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	55.6	58.7	111	117	73-153	5	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	56.3	59.2	113	118	73-138	5	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	38.3	40.7	77	81	70-130	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	36.3	39.3	73	79	58-129	8	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	46.9	49.9	94	100	70-130	6	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	45.9	48.7	92	97	70-130	6	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Parameter	Units	1919581		1919582		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40193042003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloroethane	ug/L	<0.28	50	50	55.2	58.4	110	117	75-140	6	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	64.0	68.0	128	136	71-138	6	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	44.8	47.3	90	95	70-130	6	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.1	51.7	98	103	70-130	5	20		
Benzene	ug/L	<0.25	50	50	58.1	61.7	116	123	70-130	6	20		
Bromodichloromethane	ug/L	<0.36	50	50	51.6	54.5	103	109	70-130	5	20		
Bromoform	ug/L	<4.0	50	50	39.4	41.0	79	82	68-129	4	20		
Bromomethane	ug/L	<0.97	50	50	52.4	58.2	105	116	15-170	10	20		
Carbon tetrachloride	ug/L	<0.17	50	50	53.9	56.8	108	114	70-130	5	20		
Chlorobenzene	ug/L	<0.71	50	50	52.6	55.6	105	111	70-130	6	20		
Chloroethane	ug/L	<1.3	50	50	53.7	57.5	107	115	51-148	7	20		
Chloroform	ug/L	<1.3	50	50	53.5	56.5	107	113	74-136	6	20		
Chloromethane	ug/L	<2.2	50	50	51.3	57.3	101	113	23-115	11	20		
cis-1,2-Dichloroethene	ug/L	14.7	50	50	76.1	81.1	123	133	70-131	6	20	M1	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.7	49.3	93	99	70-130	5	20		
Dibromochloromethane	ug/L	<2.6	50	50	47.5	50.1	95	100	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	46.7	49.2	93	98	10-132	5	20		
Ethylbenzene	ug/L	<0.22	50	50	52.4	55.6	105	111	80-125	6	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.7	53.5	101	107	70-130	5	20		
m&p-Xylene	ug/L	<0.47	100	100	110	116	110	116	70-130	6	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	43.6	46.1	87	92	51-145	6	20		
Methylene Chloride	ug/L	<0.58	50	50	54.0	58.1	108	116	73-140	7	20		
o-Xylene	ug/L	<0.26	50	50	51.0	54.1	102	108	70-130	6	20		
Styrene	ug/L	<0.47	50	50	54.3	57.3	109	115	70-130	5	20		
Tetrachloroethene	ug/L	1.3	50	50	51.7	54.4	101	106	70-130	5	20		
Toluene	ug/L	<0.17	50	50	54.3	57.7	109	115	80-131	6	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	54.4	58.0	108	115	73-148	6	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.6	45.0	85	90	70-130	5	20		
Trichloroethene	ug/L	0.37J	50	50	55.7	58.6	111	116	70-130	5	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	57.0	60.0	114	120	74-147	5	20		
Vinyl chloride	ug/L	1.6	50	50	55.7	59.9	108	117	41-129	7	20		
Xylene (Total)	ug/L	<1.5	150	150	161	170	107	113	70-130	6	20		
4-Bromofluorobenzene (S)	%						101	101	70-130				
Dibromofluoromethane (S)	%						110	110	70-130				
Toluene-d8 (S)	%						98	98	70-130				

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

QC Batch: 34342 Analysis Method: SM 3500-Fe B

QC Batch Method: SM 3500-Fe B Analysis Description: Iron, Ferrous

Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

METHOD BLANK: 154483

Matrix: Water

Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	08/27/19 16:40	

LABORATORY CONTROL SAMPLE: 154484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.4	0.36	91	80-120	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

QC Batch: 331264 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

METHOD BLANK: 1922011 Matrix: Water
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	08/23/19 14:25	

LABORATORY CONTROL SAMPLE: 1922012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.9	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1922013 1922014

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40193115004 Result	Spike Conc.	Spike Conc.	Result						
Sulfate	mg/L	99.5	400	400	517	523	104	106	90-110	1	15

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1922015 1922016

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40193082009 Result	Spike Conc.	Spike Conc.	Result						
Sulfate	mg/L	6.8	20	20	29.0	29.0	111	111	90-110	0	15 M0

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

QC Batch: 331944 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

METHOD BLANK: 1925703 Matrix: Water
Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	08/27/19 12:56	

LABORATORY CONTROL SAMPLE: 1925704

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: 1925705 1925706

Parameter	Units	40193444001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Nitrogen, NO2 plus NO3	mg/L	13.8	5	5	19.0	18.9	103	103	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1925707 1925708

Parameter	Units	40193311002 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.6	2.6	101	101	90-110	0	20	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

QC Batch: 331292 Analysis Method: SM 5310C
 QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
 Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

METHOD BLANK: 1922281 Matrix: Water
 Associated Lab Samples: 40193042001, 40193042003, 40193042004, 40193042005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	08/22/19 07:51	

LABORATORY CONTROL SAMPLE: 1922282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.5	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1922283 1922284

Parameter	Units	40192939001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
Total Organic Carbon	mg/L	7.7	3	3	10.4	10.2	91	86	80-120	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1922285 1922286

Parameter	Units	40192947001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
Total Organic Carbon	mg/L	10.2	6	6	15.7	15.6	91	90	80-120	0	10		

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 FORMER 1-HR VALET
Pace Project No.: 40193042

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-GA Pace Analytical Services - Atlanta, GA

BATCH QUALIFIERS

Batch: 34342

[1] NOT ENOUGH SAMPLES TO DO MS/MSD

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 FORMER 1-HR VALET

Pace Project No.: 40193042

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40193042001	PZ-1R	EPA 8015B Modified	331139		
40193042003	MW-6	EPA 8015B Modified	331139		
40193042004	MW-6 DUP	EPA 8015B Modified	331139		
40193042005	PZ-2R	EPA 8015B Modified	331139		
40193042001	PZ-1R	EPA 3010	330828	EPA 6020	330946
40193042003	MW-6	EPA 3010	330828	EPA 6020	330946
40193042004	MW-6 DUP	EPA 3010	330828	EPA 6020	330946
40193042005	PZ-2R	EPA 3010	330828	EPA 6020	330946
40193042001	PZ-1R	EPA 8260	330793		
40193042002	EB-1	EPA 8260	330793		
40193042003	MW-6	EPA 8260	330793		
40193042004	MW-6 DUP	EPA 8260	330793		
40193042005	PZ-2R	EPA 8260	330793		
40193042006	MW-4	EPA 8260	330793		
40193042007	MW-5	EPA 8260	330793		
40193042008	PZ-4	EPA 8260	330793		
40193042009	TB-1 (TRIP BLANK)	EPA 8260	330793		
40193042001	PZ-1R	SM 3500 Fe -Fe2	34525		
40193042003	MW-6	SM 3500 Fe -Fe2	34525		
40193042004	MW-6 DUP	SM 3500 Fe -Fe2	34525		
40193042005	PZ-2R	SM 3500 Fe -Fe2	34525		
40193042001	PZ-1R	SM 3500-Fe B	34342		
40193042003	MW-6	SM 3500-Fe B	34342		
40193042004	MW-6 DUP	SM 3500-Fe B	34342		
40193042005	PZ-2R	SM 3500-Fe B	34342		
40193042001	PZ-1R	EPA 300.0	331264		
40193042003	MW-6	EPA 300.0	331264		
40193042004	MW-6 DUP	EPA 300.0	331264		
40193042005	PZ-2R	EPA 300.0	331264		
40193042001	PZ-1R	EPA 353.2	331944		
40193042003	MW-6	EPA 353.2	331944		
40193042004	MW-6 DUP	EPA 353.2	331944		
40193042005	PZ-2R	EPA 353.2	331944		
40193042001	PZ-1R	SM 5310C	331292		
40193042003	MW-6	SM 5310C	331292		
40193042004	MW-6 DUP	SM 5310C	331292		
40193042005	PZ-2R	SM 5310C	331292		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **Ramboll**
 Branch/Location: **Brookfield**
 Project Contact: **SUSAN PETROFSKY**
 Phone: **262-901-3501**
 Project Number: **1690005819**
 Project Name: **Former I-HR VALLEY**
 Project State: **WI**
 Sampled By (Print): **DUNCAN GUSTAFSON**
 Sampled By (Sign): *[Signature]*
 PO #: _____ Regulatory Program: _____



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

40193042

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

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

Y/N	N	N	N	N	N	N	Y
Pick Letter	B	B	B	C	C	A	D
Analyses Requested	VOL (8260)	MUEG	FE ^{2+/3+}	TOC 5310	5332 NITRATE/NITRITE	SULFATE	METALS

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: **SUSAN PETROFSKY**
 Invoice To Company: **Ramboll**
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

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		MATRIX
		DATE	TIME	
001	PZ-1R	8/19	1000	GW
002	EB-1		1035	
003	MW-6		1145	
004	MW-6 Dup		1145	
005	PZ-2R		1300	
006	MW-4		1355	
007	MW-5		1435	
008	PZ-4		1025	
009	TB-1 (TRIP BLANK)			

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: *[Signature]* Date/Time: 8/19/17 05
 Relinquished By: *[Signature]* Date/Time: 8/19/09 15
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: *[Signature]* Date/Time: 8/14/17
 Received By: *[Signature]* Date/Time: 8/14/17
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. **40193042**
 Receipt Temp = **20.1** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal **Present / Not Present**
 Intact / Not Intact


 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 #:

Client Name: Ramboll
 Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

WO# : 40193042



40193042

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 - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: 201 /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: <u>8/15/19</u> Initials: <u>[Signature]</u>
--

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>mail to page#</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>8/15/19</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>427</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 8/15/19

March 19, 2020

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204544

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2020. 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

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CERTIFICATIONS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Pace Analytical Services Atlanta

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40204544001	PZ-2R	Water	03/10/20 09:28	03/11/20 09:15
40204544002	MW-6	Water	03/10/20 11:05	03/11/20 09:15
40204544003	MW-6 DUP	Water	03/10/20 11:10	03/11/20 09:15
40204544004	PZ-4	Water	03/10/20 12:33	03/11/20 09:15
40204544005	MW-5	Water	03/10/20 13:20	03/11/20 09:15
40204544006	MW-4	Water	03/10/20 14:08	03/11/20 09:15
40204544007	PZ-1R	Water	03/10/20 15:00	03/11/20 09:15
40204544008	TRIP BLANK	Water	03/10/20 15:00	03/11/20 09:15

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SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40204544001	PZ-2R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40204544002	MW-6	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40204544003	MW-6 DUP	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40204544004	PZ-4	EPA 8260	HNW	65	PASI-G
40204544005	MW-5	EPA 8260	HNW	65	PASI-G
40204544006	MW-4	EPA 8260	HNW	65	PASI-G
40204544007	PZ-1R	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	KXS	1	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 3500 Fe -Fe2	LPH	1	PASI-GA
		SM 3500-Fe B	KN	1	PASI-GA
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40204544008	TRIP BLANK	EPA 8260	HNW	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40204544001	PZ-2R					
EPA 8015B Modified	Methane	10.3	ug/L	2.8	03/18/20 09:35	
EPA 6020	Iron	2800	ug/L	250	03/14/20 04:55	
EPA 8260	cis-1,2-Dichloroethene	33.9	ug/L	1.0	03/12/20 11:13	
EPA 8260	Vinyl chloride	11.3	ug/L	1.0	03/12/20 11:13	
SM 3500-Fe B	Iron, Ferrous	2.9	mg/L	0.80	03/17/20 15:47	H3,M1
EPA 300.0	Sulfate	140	mg/L	20.0	03/12/20 14:16	
SM 5310C	Total Organic Carbon	0.36J	mg/L	0.50	03/13/20 09:32	M0
40204544002	MW-6					
EPA 8015B Modified	Methane	75.2	ug/L	2.8	03/18/20 09:42	
EPA 6020	Iron	6680	ug/L	5000	03/17/20 14:44	
EPA 8260	cis-1,2-Dichloroethene	239	ug/L	1.0	03/12/20 14:12	
EPA 8260	trans-1,2-Dichloroethene	6.8	ug/L	3.6	03/12/20 14:12	
EPA 8260	Trichloroethene	13.5	ug/L	1.0	03/12/20 14:12	
EPA 8260	Vinyl chloride	11.5	ug/L	1.0	03/12/20 14:12	
SM 3500-Fe B	Iron, Ferrous	7.4	mg/L	2.0	03/17/20 15:51	H3
EPA 300.0	Sulfate	87.0J	mg/L	100	03/12/20 20:20	D3
SM 5310C	Total Organic Carbon	1.8J	mg/L	5.0	03/16/20 06:39	D3
40204544003	MW-6 DUP					
EPA 8015B Modified	Methane	104	ug/L	2.8	03/18/20 09:49	
EPA 6020	Iron	6710	ug/L	5000	03/17/20 14:51	
EPA 8260	cis-1,2-Dichloroethene	221	ug/L	1.0	03/12/20 11:36	
EPA 8260	trans-1,2-Dichloroethene	8.0	ug/L	3.6	03/12/20 11:36	
EPA 8260	Trichloroethene	12.4	ug/L	1.0	03/12/20 11:36	
EPA 8260	Vinyl chloride	10.2	ug/L	1.0	03/12/20 11:36	
SM 3500-Fe B	Iron, Ferrous	7.6	mg/L	2.0	03/17/20 15:54	H3
EPA 300.0	Sulfate	88.7	mg/L	10.0	03/12/20 14:43	
SM 5310C	Total Organic Carbon	0.65	mg/L	0.50	03/13/20 11:00	
40204544004	PZ-4					
EPA 8260	cis-1,2-Dichloroethene	1.4	ug/L	1.0	03/13/20 07:39	
EPA 8260	Tetrachloroethene	16.0	ug/L	1.1	03/13/20 07:39	
EPA 8260	Vinyl chloride	1.7	ug/L	1.0	03/13/20 07:39	
40204544005	MW-5					
EPA 8260	cis-1,2-Dichloroethene	14.1	ug/L	1.0	03/12/20 14:34	
EPA 8260	Tetrachloroethene	23.8	ug/L	1.1	03/12/20 14:34	
EPA 8260	Trichloroethene	5.0	ug/L	1.0	03/12/20 14:34	
EPA 8260	Vinyl chloride	2.2	ug/L	1.0	03/12/20 14:34	
40204544006	MW-4					
EPA 8260	Tetrachloroethene	57.0	ug/L	1.1	03/13/20 08:01	
EPA 8260	Trichloroethene	0.47J	ug/L	1.0	03/13/20 08:01	
40204544007	PZ-1R					
EPA 8015B Modified	Ethane	2130	ug/L	28.0	03/18/20 10:37	
EPA 8015B Modified	Ethene	974	ug/L	25.0	03/18/20 10:37	
EPA 8015B Modified	Methane	162	ug/L	2.8	03/18/20 09:56	
EPA 6020	Iron	4600	ug/L	250	03/14/20 05:15	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40204544007	PZ-1R					
EPA 8260	cis-1,2-Dichloroethene	36400	ug/L	500	03/12/20 13:26	
EPA 8260	Tetrachloroethene	23200	ug/L	544	03/12/20 13:26	
EPA 8260	Trichloroethene	9060	ug/L	500	03/12/20 13:26	
EPA 8260	Vinyl chloride	2630	ug/L	500	03/12/20 13:26	
SM 3500-Fe B	Iron, Ferrous	5.1	mg/L	1.6	03/17/20 15:56	H3
EPA 300.0	Sulfate	85.9	mg/L	10.0	03/12/20 14:56	
SM 5310C	Total Organic Carbon	115	mg/L	30.0	03/13/20 11:21	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: PZ-2R **Lab ID: 40204544001** Collected: 03/10/20 09:28 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<1.2	ug/L	5.6	1.2	1		03/18/20 09:35	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		03/18/20 09:35	74-85-1	
Methane	10.3	ug/L	2.8	0.66	1		03/18/20 09:35	74-82-8	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron	2800	ug/L	250	58.0	1	03/13/20 06:23	03/14/20 04:55	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/12/20 11:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/12/20 11:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/12/20 11:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/12/20 11:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/12/20 11:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/12/20 11:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 11:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/12/20 11:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/12/20 11:13	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/12/20 11:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 11:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/12/20 11:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/12/20 11:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/12/20 11:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/12/20 11:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/12/20 11:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/12/20 11:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/12/20 11:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/12/20 11:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/12/20 11:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 11:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/12/20 11:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/12/20 11:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/12/20 11:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 11:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 11:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/12/20 11:13	75-35-4	
cis-1,2-Dichloroethene	33.9	ug/L	1.0	0.27	1		03/12/20 11:13	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/12/20 11:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/12/20 11:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/12/20 11:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/12/20 11:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/12/20 11:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/12/20 11:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/12/20 11:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/12/20 11:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/12/20 11:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/12/20 11:13	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: PZ-2R **Lab ID: 40204544001** Collected: 03/10/20 09:28 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/12/20 11:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/12/20 11:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/12/20 11:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/12/20 11:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/12/20 11:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/12/20 11:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/12/20 11:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 11:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 11:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/12/20 11:13	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/12/20 11:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/12/20 11:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/12/20 11:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/12/20 11:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/12/20 11:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/12/20 11:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/12/20 11:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/12/20 11:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/12/20 11:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/12/20 11:13	108-67-8	
Vinyl chloride	11.3	ug/L	1.0	0.17	1		03/12/20 11:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/12/20 11:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/12/20 11:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/12/20 11:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		03/12/20 11:13	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		03/12/20 11:13	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/12/20 11:13	2037-26-5	
Iron, Ferric (Calculation) Analytical Method: SM 3500 Fe -Fe2									
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		03/19/20 12:37	7439-89-6	
Iron, Ferrous Analytical Method: SM 3500-Fe B									
Iron, Ferrous	2.9	mg/L	0.80	0.80	4		03/17/20 15:47		H3,M1
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	140	mg/L	20.0	4.4	10		03/12/20 14:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		03/13/20 10:00		
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	0.36J	mg/L	0.50	0.15	1		03/13/20 09:32	7440-44-0	M0

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: MW-6 **Lab ID: 40204544002** Collected: 03/10/20 11:05 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<1.2	ug/L	5.6	1.2	1		03/18/20 09:42	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		03/18/20 09:42	74-85-1	
Methane	75.2	ug/L	2.8	0.66	1		03/18/20 09:42	74-82-8	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron	6680	ug/L	5000	1160	20	03/13/20 06:23	03/17/20 14:44	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/12/20 14:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/12/20 14:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/12/20 14:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/12/20 14:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/12/20 14:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/12/20 14:12	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 14:12	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/12/20 14:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/12/20 14:12	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/12/20 14:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 14:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/12/20 14:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/12/20 14:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/12/20 14:12	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/12/20 14:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/12/20 14:12	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/12/20 14:12	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/12/20 14:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/12/20 14:12	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/12/20 14:12	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 14:12	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/12/20 14:12	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/12/20 14:12	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/12/20 14:12	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 14:12	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 14:12	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/12/20 14:12	75-35-4	
cis-1,2-Dichloroethene	239	ug/L	1.0	0.27	1		03/12/20 14:12	156-59-2	
trans-1,2-Dichloroethene	6.8	ug/L	3.6	1.1	1		03/12/20 14:12	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/12/20 14:12	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/12/20 14:12	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/12/20 14:12	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/12/20 14:12	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/12/20 14:12	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/12/20 14:12	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/12/20 14:12	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/12/20 14:12	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/12/20 14:12	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204544

Sample: MW-6 **Lab ID: 40204544002** Collected: 03/10/20 11:05 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/12/20 14:12	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/12/20 14:12	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/12/20 14:12	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/12/20 14:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/12/20 14:12	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/12/20 14:12	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/12/20 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 14:12	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/12/20 14:12	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/12/20 14:12	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/12/20 14:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/12/20 14:12	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/12/20 14:12	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/12/20 14:12	79-00-5	
Trichloroethene	13.5	ug/L	1.0	0.26	1		03/12/20 14:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/12/20 14:12	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/12/20 14:12	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/12/20 14:12	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/12/20 14:12	108-67-8	
Vinyl chloride	11.5	ug/L	1.0	0.17	1		03/12/20 14:12	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/12/20 14:12	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/12/20 14:12	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/12/20 14:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/12/20 14:12	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		03/12/20 14:12	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		03/12/20 14:12	2037-26-5	
Iron, Ferric (Calculation)		Analytical Method: SM 3500 Fe -Fe2							
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		03/19/20 12:37	7439-89-6	
Iron, Ferrous		Analytical Method: SM 3500-Fe B							
Iron, Ferrous	7.4	mg/L	2.0	2.0	10		03/17/20 15:51		H3
300.0 IC Anions		Analytical Method: EPA 300.0							
Sulfate	87.0J	mg/L	100	22.2	50		03/12/20 20:20	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		03/13/20 10:00		
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	1.8J	mg/L	5.0	1.5	10		03/16/20 06:39	7440-44-0	D3

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: MW-6 DUP **Lab ID: 40204544003** Collected: 03/10/20 11:10 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<1.2	ug/L	5.6	1.2	1		03/18/20 09:49	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		03/18/20 09:49	74-85-1	
Methane	104	ug/L	2.8	0.66	1		03/18/20 09:49	74-82-8	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron	6710	ug/L	5000	1160	20	03/13/20 06:23	03/17/20 14:51	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		03/12/20 11:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/12/20 11:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/12/20 11:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/12/20 11:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/12/20 11:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/12/20 11:36	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 11:36	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/12/20 11:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/12/20 11:36	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/12/20 11:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 11:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/12/20 11:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/12/20 11:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/12/20 11:36	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/12/20 11:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/12/20 11:36	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/12/20 11:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/12/20 11:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/12/20 11:36	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/12/20 11:36	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 11:36	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/12/20 11:36	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/12/20 11:36	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/12/20 11:36	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 11:36	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 11:36	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/12/20 11:36	75-35-4	
cis-1,2-Dichloroethene	221	ug/L	1.0	0.27	1		03/12/20 11:36	156-59-2	
trans-1,2-Dichloroethene	8.0	ug/L	3.6	1.1	1		03/12/20 11:36	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/12/20 11:36	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/12/20 11:36	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/12/20 11:36	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/12/20 11:36	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/12/20 11:36	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/12/20 11:36	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/12/20 11:36	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/12/20 11:36	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/12/20 11:36	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204544

Sample: MW-6 DUP **Lab ID: 40204544003** Collected: 03/10/20 11:10 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/12/20 11:36	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/12/20 11:36	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/12/20 11:36	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/12/20 11:36	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/12/20 11:36	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/12/20 11:36	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/12/20 11:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 11:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 11:36	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/12/20 11:36	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/12/20 11:36	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/12/20 11:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/12/20 11:36	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/12/20 11:36	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/12/20 11:36	79-00-5	
Trichloroethene	12.4	ug/L	1.0	0.26	1		03/12/20 11:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/12/20 11:36	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/12/20 11:36	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/12/20 11:36	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/12/20 11:36	108-67-8	
Vinyl chloride	10.2	ug/L	1.0	0.17	1		03/12/20 11:36	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/12/20 11:36	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/12/20 11:36	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/12/20 11:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/12/20 11:36	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		03/12/20 11:36	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		03/12/20 11:36	2037-26-5	
Iron, Ferric (Calculation)		Analytical Method: SM 3500 Fe -Fe2							
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		03/19/20 12:37	7439-89-6	
Iron, Ferrous		Analytical Method: SM 3500-Fe B							
Iron, Ferrous	7.6	mg/L	2.0	2.0	10		03/17/20 15:54		H3
300.0 IC Anions		Analytical Method: EPA 300.0							
Sulfate	88.7	mg/L	10.0	2.2	5		03/12/20 14:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		03/13/20 10:04		
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	0.65	mg/L	0.50	0.15	1		03/13/20 11:00	7440-44-0	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: PZ-4 **Lab ID: 40204544004** Collected: 03/10/20 12:33 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		03/13/20 07:39	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/13/20 07:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/13/20 07:39	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/13/20 07:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/13/20 07:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/13/20 07:39	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/13/20 07:39	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/13/20 07:39	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/13/20 07:39	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/13/20 07:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/13/20 07:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/13/20 07:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/13/20 07:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/13/20 07:39	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/13/20 07:39	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/13/20 07:39	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/13/20 07:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/13/20 07:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/13/20 07:39	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/13/20 07:39	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/13/20 07:39	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/13/20 07:39	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/13/20 07:39	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/13/20 07:39	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/13/20 07:39	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/13/20 07:39	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/13/20 07:39	75-35-4	
cis-1,2-Dichloroethene	1.4	ug/L	1.0	0.27	1		03/13/20 07:39	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/13/20 07:39	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/13/20 07:39	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/13/20 07:39	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/13/20 07:39	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/13/20 07:39	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/13/20 07:39	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/13/20 07:39	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/13/20 07:39	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/13/20 07:39	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/13/20 07:39	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/13/20 07:39	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/13/20 07:39	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/13/20 07:39	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/13/20 07:39	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/13/20 07:39	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/13/20 07:39	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/13/20 07:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/13/20 07:39	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: PZ-4 **Lab ID: 40204544004** Collected: 03/10/20 12:33 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/13/20 07:39	79-34-5	
Tetrachloroethene	16.0	ug/L	1.1	0.33	1		03/13/20 07:39	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/13/20 07:39	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/13/20 07:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/13/20 07:39	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/13/20 07:39	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/13/20 07:39	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/13/20 07:39	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/13/20 07:39	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/13/20 07:39	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/13/20 07:39	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/13/20 07:39	108-67-8	
Vinyl chloride	1.7	ug/L	1.0	0.17	1		03/13/20 07:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/13/20 07:39	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/13/20 07:39	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/13/20 07:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/13/20 07:39	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		03/13/20 07:39	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/13/20 07:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: MW-5 **Lab ID: 40204544005** Collected: 03/10/20 13:20 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		03/12/20 14:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/12/20 14:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/12/20 14:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/12/20 14:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/12/20 14:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/12/20 14:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 14:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/12/20 14:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/12/20 14:34	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/12/20 14:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 14:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/12/20 14:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/12/20 14:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/12/20 14:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/12/20 14:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/12/20 14:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/12/20 14:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/12/20 14:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/12/20 14:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/12/20 14:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 14:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/12/20 14:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/12/20 14:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/12/20 14:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 14:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 14:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/12/20 14:34	75-35-4	
cis-1,2-Dichloroethene	14.1	ug/L	1.0	0.27	1		03/12/20 14:34	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/12/20 14:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/12/20 14:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/12/20 14:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/12/20 14:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/12/20 14:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/12/20 14:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/12/20 14:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/12/20 14:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/12/20 14:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/12/20 14:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/12/20 14:34	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/12/20 14:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/12/20 14:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/12/20 14:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/12/20 14:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/12/20 14:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/12/20 14:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 14:34	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204544

Sample: MW-5 **Lab ID: 40204544005** Collected: 03/10/20 13:20 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 14:34	79-34-5	
Tetrachloroethene	23.8	ug/L	1.1	0.33	1		03/12/20 14:34	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/12/20 14:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/12/20 14:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/12/20 14:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/12/20 14:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/12/20 14:34	79-00-5	
Trichloroethene	5.0	ug/L	1.0	0.26	1		03/12/20 14:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/12/20 14:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/12/20 14:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/12/20 14:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/12/20 14:34	108-67-8	
Vinyl chloride	2.2	ug/L	1.0	0.17	1		03/12/20 14:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/12/20 14:34	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/12/20 14:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/12/20 14:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		03/12/20 14:34	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		03/12/20 14:34	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/12/20 14:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: MW-4 **Lab ID: 40204544006** Collected: 03/10/20 14:08 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		03/13/20 08:01	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/13/20 08:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/13/20 08:01	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/13/20 08:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/13/20 08:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/13/20 08:01	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/13/20 08:01	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/13/20 08:01	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/13/20 08:01	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/13/20 08:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/13/20 08:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/13/20 08:01	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/13/20 08:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/13/20 08:01	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/13/20 08:01	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/13/20 08:01	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/13/20 08:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/13/20 08:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/13/20 08:01	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/13/20 08:01	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/13/20 08:01	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/13/20 08:01	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/13/20 08:01	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/13/20 08:01	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/13/20 08:01	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/13/20 08:01	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/13/20 08:01	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		03/13/20 08:01	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/13/20 08:01	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/13/20 08:01	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/13/20 08:01	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/13/20 08:01	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/13/20 08:01	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/13/20 08:01	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/13/20 08:01	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/13/20 08:01	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/13/20 08:01	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/13/20 08:01	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/13/20 08:01	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/13/20 08:01	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/13/20 08:01	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/13/20 08:01	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/13/20 08:01	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/13/20 08:01	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/13/20 08:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/13/20 08:01	630-20-6	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: MW-4 **Lab ID: 40204544006** Collected: 03/10/20 14:08 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/13/20 08:01	79-34-5	
Tetrachloroethene	57.0	ug/L	1.1	0.33	1		03/13/20 08:01	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/13/20 08:01	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/13/20 08:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/13/20 08:01	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/13/20 08:01	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/13/20 08:01	79-00-5	
Trichloroethene	0.47J	ug/L	1.0	0.26	1		03/13/20 08:01	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/13/20 08:01	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/13/20 08:01	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/13/20 08:01	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/13/20 08:01	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/13/20 08:01	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/13/20 08:01	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/13/20 08:01	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/13/20 08:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/13/20 08:01	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		03/13/20 08:01	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/13/20 08:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204544

Sample: PZ-1R **Lab ID: 40204544007** Collected: 03/10/20 15:00 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	2130	ug/L	28.0	6.1	5		03/18/20 10:37	74-84-0	
Ethene	974	ug/L	25.0	6.0	5		03/18/20 10:37	74-85-1	
Methane	162	ug/L	2.8	0.66	1		03/18/20 09:56	74-82-8	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Iron	4600	ug/L	250	58.0	1	03/13/20 06:23	03/14/20 05:15	7439-89-6	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<123	ug/L	500	123	500		03/12/20 13:26	71-43-2	
Bromobenzene	<121	ug/L	500	121	500		03/12/20 13:26	108-86-1	
Bromochloromethane	<181	ug/L	2500	181	500		03/12/20 13:26	74-97-5	
Bromodichloromethane	<182	ug/L	606	182	500		03/12/20 13:26	75-27-4	
Bromoform	<1990	ug/L	6620	1990	500		03/12/20 13:26	75-25-2	
Bromomethane	<486	ug/L	2500	486	500		03/12/20 13:26	74-83-9	
n-Butylbenzene	<354	ug/L	1180	354	500		03/12/20 13:26	104-51-8	
sec-Butylbenzene	<424	ug/L	2500	424	500		03/12/20 13:26	135-98-8	
tert-Butylbenzene	<152	ug/L	506	152	500		03/12/20 13:26	98-06-6	
Carbon tetrachloride	<818	ug/L	2730	818	500		03/12/20 13:26	56-23-5	
Chlorobenzene	<355	ug/L	1180	355	500		03/12/20 13:26	108-90-7	
Chloroethane	<671	ug/L	2500	671	500		03/12/20 13:26	75-00-3	
Chloroform	<637	ug/L	2500	637	500		03/12/20 13:26	67-66-3	
Chloromethane	<1090	ug/L	3650	1090	500		03/12/20 13:26	74-87-3	
2-Chlorotoluene	<463	ug/L	2500	463	500		03/12/20 13:26	95-49-8	
4-Chlorotoluene	<378	ug/L	1260	378	500		03/12/20 13:26	106-43-4	
1,2-Dibromo-3-chloropropane	<882	ug/L	2940	882	500		03/12/20 13:26	96-12-8	
Dibromochloromethane	<1300	ug/L	4340	1300	500		03/12/20 13:26	124-48-1	
1,2-Dibromoethane (EDB)	<415	ug/L	1380	415	500		03/12/20 13:26	106-93-4	
Dibromomethane	<468	ug/L	1560	468	500		03/12/20 13:26	74-95-3	
1,2-Dichlorobenzene	<353	ug/L	1180	353	500		03/12/20 13:26	95-50-1	
1,3-Dichlorobenzene	<314	ug/L	1050	314	500		03/12/20 13:26	541-73-1	
1,4-Dichlorobenzene	<472	ug/L	1570	472	500		03/12/20 13:26	106-46-7	
Dichlorodifluoromethane	<250	ug/L	2500	250	500		03/12/20 13:26	75-71-8	
1,1-Dichloroethane	<136	ug/L	500	136	500		03/12/20 13:26	75-34-3	
1,2-Dichloroethane	<140	ug/L	500	140	500		03/12/20 13:26	107-06-2	
1,1-Dichloroethene	<122	ug/L	500	122	500		03/12/20 13:26	75-35-4	
cis-1,2-Dichloroethene	36400	ug/L	500	136	500		03/12/20 13:26	156-59-2	
trans-1,2-Dichloroethene	<545	ug/L	1820	545	500		03/12/20 13:26	156-60-5	
1,2-Dichloropropane	<141	ug/L	500	141	500		03/12/20 13:26	78-87-5	
1,3-Dichloropropane	<413	ug/L	1380	413	500		03/12/20 13:26	142-28-9	
2,2-Dichloropropane	<1130	ug/L	3780	1130	500		03/12/20 13:26	594-20-7	
1,1-Dichloropropene	<270	ug/L	900	270	500		03/12/20 13:26	563-58-6	
cis-1,3-Dichloropropene	<1810	ug/L	6050	1810	500		03/12/20 13:26	10061-01-5	
trans-1,3-Dichloropropene	<2190	ug/L	7280	2190	500		03/12/20 13:26	10061-02-6	
Diisopropyl ether	<944	ug/L	3150	944	500		03/12/20 13:26	108-20-3	
Ethylbenzene	<159	ug/L	531	159	500		03/12/20 13:26	100-41-4	
Hexachloro-1,3-butadiene	<731	ug/L	2440	731	500		03/12/20 13:26	87-68-3	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: PZ-1R **Lab ID: 40204544007** Collected: 03/10/20 15:00 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Isopropylbenzene (Cumene)	<843	ug/L	2810	843	500		03/12/20 13:26	98-82-8	
p-Isopropyltoluene	<400	ug/L	1330	400	500		03/12/20 13:26	99-87-6	
Methylene Chloride	<290	ug/L	2500	290	500		03/12/20 13:26	75-09-2	
Methyl-tert-butyl ether	<623	ug/L	2080	623	500		03/12/20 13:26	1634-04-4	
Naphthalene	<588	ug/L	2500	588	500		03/12/20 13:26	91-20-3	
n-Propylbenzene	<405	ug/L	2500	405	500		03/12/20 13:26	103-65-1	
Styrene	<1500	ug/L	5020	1500	500		03/12/20 13:26	100-42-5	
1,1,1,2-Tetrachloroethane	<135	ug/L	500	135	500		03/12/20 13:26	630-20-6	
1,1,2,2-Tetrachloroethane	<138	ug/L	500	138	500		03/12/20 13:26	79-34-5	
Tetrachloroethene	23200	ug/L	544	163	500		03/12/20 13:26	127-18-4	
Toluene	<135	ug/L	449	135	500		03/12/20 13:26	108-88-3	
1,2,3-Trichlorobenzene	<1110	ug/L	3680	1110	500		03/12/20 13:26	87-61-6	
1,2,4-Trichlorobenzene	<476	ug/L	2500	476	500		03/12/20 13:26	120-82-1	
1,1,1-Trichloroethane	<122	ug/L	500	122	500		03/12/20 13:26	71-55-6	
1,1,2-Trichloroethane	<276	ug/L	2500	276	500		03/12/20 13:26	79-00-5	
Trichloroethene	9060	ug/L	500	128	500		03/12/20 13:26	79-01-6	
Trichlorofluoromethane	<107	ug/L	500	107	500		03/12/20 13:26	75-69-4	
1,2,3-Trichloropropane	<295	ug/L	2500	295	500		03/12/20 13:26	96-18-4	
1,2,4-Trimethylbenzene	<420	ug/L	1400	420	500		03/12/20 13:26	95-63-6	
1,3,5-Trimethylbenzene	<437	ug/L	1460	437	500		03/12/20 13:26	108-67-8	
Vinyl chloride	2630	ug/L	500	87.3	500		03/12/20 13:26	75-01-4	
Xylene (Total)	<750	ug/L	1500	750	500		03/12/20 13:26	1330-20-7	
m&p-Xylene	<233	ug/L	1000	233	500		03/12/20 13:26	179601-23-1	
o-Xylene	<131	ug/L	500	131	500		03/12/20 13:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		500		03/12/20 13:26	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		500		03/12/20 13:26	1868-53-7	
Toluene-d8 (S)	103	%	70-130		500		03/12/20 13:26	2037-26-5	
Iron, Ferric (Calculation) Analytical Method: SM 3500 Fe -Fe2									
Iron, Ferric	<0.20	mg/L	0.20	0.20	1		03/19/20 12:37	7439-89-6	
Iron, Ferrous Analytical Method: SM 3500-Fe B									
Iron, Ferrous	5.1	mg/L	1.6	1.6	8		03/17/20 15:56		H3
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	85.9	mg/L	10.0	2.2	5		03/12/20 14:56	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		03/13/20 10:05		
5310C TOC Analytical Method: SM 5310C									
Total Organic Carbon	115	mg/L	30.0	8.9	60		03/13/20 11:21	7440-44-0	

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: TRIP BLANK **Lab ID: 40204544008** Collected: 03/10/20 15:00 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		03/12/20 10:51	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		03/12/20 10:51	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		03/12/20 10:51	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		03/12/20 10:51	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		03/12/20 10:51	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		03/12/20 10:51	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 10:51	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		03/12/20 10:51	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		03/12/20 10:51	98-06-6	
Carbon tetrachloride	<1.6	ug/L	5.5	1.6	1		03/12/20 10:51	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 10:51	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		03/12/20 10:51	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		03/12/20 10:51	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		03/12/20 10:51	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		03/12/20 10:51	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		03/12/20 10:51	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		03/12/20 10:51	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		03/12/20 10:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		03/12/20 10:51	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		03/12/20 10:51	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		03/12/20 10:51	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		03/12/20 10:51	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		03/12/20 10:51	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		03/12/20 10:51	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 10:51	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 10:51	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		03/12/20 10:51	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		03/12/20 10:51	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		03/12/20 10:51	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		03/12/20 10:51	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		03/12/20 10:51	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		03/12/20 10:51	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		03/12/20 10:51	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		03/12/20 10:51	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		03/12/20 10:51	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		03/12/20 10:51	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/12/20 10:51	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		03/12/20 10:51	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		03/12/20 10:51	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		03/12/20 10:51	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		03/12/20 10:51	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/12/20 10:51	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/12/20 10:51	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		03/12/20 10:51	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		03/12/20 10:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		03/12/20 10:51	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Sample: TRIP BLANK **Lab ID: 40204544008** Collected: 03/10/20 15:00 Received: 03/11/20 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		03/12/20 10:51	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		03/12/20 10:51	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		03/12/20 10:51	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		03/12/20 10:51	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		03/12/20 10:51	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		03/12/20 10:51	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		03/12/20 10:51	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		03/12/20 10:51	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		03/12/20 10:51	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		03/12/20 10:51	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/12/20 10:51	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/12/20 10:51	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		03/12/20 10:51	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/12/20 10:51	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/12/20 10:51	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/12/20 10:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/12/20 10:51	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		03/12/20 10:51	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/12/20 10:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

QC Batch: 350272 Analysis Method: EPA 8015B Modified
 QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

METHOD BLANK: 2029071 Matrix: Water
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	03/18/20 09:02	
Ethene	ug/L	<1.2	5.0	03/18/20 09:02	
Methane	ug/L	<0.66	2.8	03/18/20 09:02	

LABORATORY CONTROL SAMPLE & LCSD: 2029072

2029073

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	56.4	56.2	105	105	80-120	0	20	
Ethene	ug/L	50	52.3	52.0	105	104	80-120	1	20	
Methane	ug/L	28.6	28.8	28.9	101	101	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2029188

2029189

Parameter	Units	40204853001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	53.6	53.6	55.1	57.5	103	107	80-120	4	20	
Ethene	ug/L	<1.2	50	50	50.8	52.7	102	105	80-120	4	20	
Methane	ug/L	<0.66	28.6	28.6	30.1	31.5	105	110	77-122	5	20	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

QC Batch: 349902 Analysis Method: EPA 6020
 QC Batch Method: EPA 3010 Analysis Description: 6020 MET
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

METHOD BLANK: 2027123 Matrix: Water
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<58.0	250	03/14/20 03:26	

LABORATORY CONTROL SAMPLE: 2027124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	5030	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2027127 2027128

Parameter	Units	2027127		2027128		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40204623017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Iron	ug/L	1540	5000	5000	6260	6230	94	94	75-125	0	20	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

QC Batch: 349776 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544004, 40204544005, 40204544006, 40204544007, 40204544008

METHOD BLANK: 2026401 Matrix: Water
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544004, 40204544005, 40204544006, 40204544007, 40204544008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	03/12/20 07:46	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/12/20 07:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	03/12/20 07:46	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	03/12/20 07:46	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/12/20 07:46	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/12/20 07:46	
1,1-Dichloropropene	ug/L	<0.54	1.8	03/12/20 07:46	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	03/12/20 07:46	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	03/12/20 07:46	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/12/20 07:46	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	03/12/20 07:46	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	03/12/20 07:46	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	03/12/20 07:46	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	03/12/20 07:46	
1,2-Dichloroethane	ug/L	<0.28	1.0	03/12/20 07:46	
1,2-Dichloropropane	ug/L	<0.28	1.0	03/12/20 07:46	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	03/12/20 07:46	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	03/12/20 07:46	
1,3-Dichloropropane	ug/L	<0.83	2.8	03/12/20 07:46	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	03/12/20 07:46	
2,2-Dichloropropane	ug/L	<2.3	7.6	03/12/20 07:46	
2-Chlorotoluene	ug/L	<0.93	5.0	03/12/20 07:46	
4-Chlorotoluene	ug/L	<0.76	2.5	03/12/20 07:46	
Benzene	ug/L	<0.25	1.0	03/12/20 07:46	
Bromobenzene	ug/L	<0.24	1.0	03/12/20 07:46	
Bromochloromethane	ug/L	<0.36	5.0	03/12/20 07:46	
Bromodichloromethane	ug/L	<0.36	1.2	03/12/20 07:46	
Bromoform	ug/L	<4.0	13.2	03/12/20 07:46	
Bromomethane	ug/L	<0.97	5.0	03/12/20 07:46	
Carbon tetrachloride	ug/L	<1.6	5.5	03/12/20 07:46	
Chlorobenzene	ug/L	<0.71	2.4	03/12/20 07:46	
Chloroethane	ug/L	<1.3	5.0	03/12/20 07:46	
Chloroform	ug/L	<1.3	5.0	03/12/20 07:46	
Chloromethane	ug/L	<2.2	7.3	03/12/20 07:46	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	03/12/20 07:46	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	03/12/20 07:46	
Dibromochloromethane	ug/L	<2.6	8.7	03/12/20 07:46	
Dibromomethane	ug/L	<0.94	3.1	03/12/20 07:46	
Dichlorodifluoromethane	ug/L	<0.50	5.0	03/12/20 07:46	
Diisopropyl ether	ug/L	<1.9	6.3	03/12/20 07:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

METHOD BLANK: 2026401

Matrix: Water

Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544004, 40204544005, 40204544006, 40204544007, 40204544008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	03/12/20 07:46	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	03/12/20 07:46	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	03/12/20 07:46	
m&p-Xylene	ug/L	<0.47	2.0	03/12/20 07:46	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	03/12/20 07:46	
Methylene Chloride	ug/L	<0.58	5.0	03/12/20 07:46	
n-Butylbenzene	ug/L	<0.71	2.4	03/12/20 07:46	
n-Propylbenzene	ug/L	<0.81	5.0	03/12/20 07:46	
Naphthalene	ug/L	<1.2	5.0	03/12/20 07:46	
o-Xylene	ug/L	<0.26	1.0	03/12/20 07:46	
p-Isopropyltoluene	ug/L	<0.80	2.7	03/12/20 07:46	
sec-Butylbenzene	ug/L	<0.85	5.0	03/12/20 07:46	
Styrene	ug/L	<3.0	10.0	03/12/20 07:46	
tert-Butylbenzene	ug/L	<0.30	1.0	03/12/20 07:46	
Tetrachloroethene	ug/L	<0.33	1.1	03/12/20 07:46	
Toluene	ug/L	<0.27	0.90	03/12/20 07:46	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	03/12/20 07:46	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	03/12/20 07:46	
Trichloroethene	ug/L	<0.26	1.0	03/12/20 07:46	
Trichlorofluoromethane	ug/L	<0.21	1.0	03/12/20 07:46	
Vinyl chloride	ug/L	<0.17	1.0	03/12/20 07:46	
Xylene (Total)	ug/L	<1.5	3.0	03/12/20 07:46	
4-Bromofluorobenzene (S)	%	94	70-130	03/12/20 07:46	
Dibromofluoromethane (S)	%	108	70-130	03/12/20 07:46	
Toluene-d8 (S)	%	104	70-130	03/12/20 07:46	

LABORATORY CONTROL SAMPLE: 2026402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,2-Trichloroethane	ug/L	50	52.6	105	70-130	
1,1-Dichloroethane	ug/L	50	52.3	105	73-150	
1,1-Dichloroethene	ug/L	50	48.2	96	73-138	
1,2,4-Trichlorobenzene	ug/L	50	46.5	93	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.0	80	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	55.0	110	75-140	
1,2-Dichloropropane	ug/L	50	55.7	111	73-135	
1,3-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,4-Dichlorobenzene	ug/L	50	51.6	103	70-130	
Benzene	ug/L	50	53.0	106	70-130	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

LABORATORY CONTROL SAMPLE: 2026402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	55.3	111	70-130	
Bromoform	ug/L	50	49.0	98	68-129	
Bromomethane	ug/L	50	46.4	93	18-159	
Carbon tetrachloride	ug/L	50	58.3	117	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	45.0	90	53-147	
Chloroform	ug/L	50	52.7	105	74-136	
Chloromethane	ug/L	50	37.6	75	29-115	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	52.8	106	70-130	
Dichlorodifluoromethane	ug/L	50	44.5	89	10-130	
Ethylbenzene	ug/L	50	52.8	106	80-124	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	40.9	82	54-137	
Methylene Chloride	ug/L	50	47.5	95	73-138	
o-Xylene	ug/L	50	50.1	100	70-130	
Styrene	ug/L	50	52.1	104	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	52.3	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	73-145	
trans-1,3-Dichloropropene	ug/L	50	43.3	87	70-130	
Trichloroethene	ug/L	50	55.7	111	70-130	
Trichlorofluoromethane	ug/L	50	60.5	121	76-147	
Vinyl chloride	ug/L	50	44.8	90	51-120	
Xylene (Total)	ug/L	150	153	102	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2026463 2026464

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40204544001 Result	Spike Conc.	Spike Conc.	Result							Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50.6	49.8	101	100	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50.3	49.6	101	99	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.5	51.4	105	103	70-137	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.1	50.0	102	100	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.4	46.6	95	93	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.0	46.4	96	93	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	42.8	41.0	86	82	58-129	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.6	48.4	97	97	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.1	48.7	100	97	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2026463												2026464											
Parameter	Units	40204544001		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual										
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec														
1,2-Dichloroethane	ug/L	<0.28	50	50	50	52.4	53.1	105	106	75-140	1	20											
1,2-Dichloropropane	ug/L	<0.28	50	50	50	53.6	53.5	107	107	71-138	0	20											
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50	49.7	48.0	99	96	70-130	3	20											
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50	51.2	49.6	102	99	70-130	3	20											
Benzene	ug/L	<0.25	50	50	50	51.9	50.5	104	101	70-130	3	20											
Bromodichloromethane	ug/L	<0.36	50	50	50	53.6	53.2	107	106	70-130	1	20											
Bromoform	ug/L	<4.0	50	50	50	49.2	48.2	98	96	68-129	2	20											
Bromomethane	ug/L	<0.97	50	50	50	55.1	49.5	110	99	15-170	11	20											
Carbon tetrachloride	ug/L	<1.6	50	50	50	56.6	55.4	113	111	70-130	2	20											
Chlorobenzene	ug/L	<0.71	50	50	50	52.3	50.5	105	101	70-130	3	20											
Chloroethane	ug/L	<1.3	50	50	50	44.2	42.3	88	85	51-148	5	20											
Chloroform	ug/L	<1.3	50	50	50	51.3	50.2	103	100	74-136	2	20											
Chloromethane	ug/L	<2.2	50	50	50	36.6	36.8	73	74	23-115	1	20											
cis-1,2-Dichloroethene	ug/L	33.9	50	50	50	83.5	83.1	99	99	70-131	0	20											
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50	46.0	46.1	92	92	70-130	0	20											
Dibromochloromethane	ug/L	<2.6	50	50	50	52.7	51.3	105	103	70-130	3	20											
Dichlorodifluoromethane	ug/L	<0.50	50	50	50	43.3	42.7	87	85	10-132	1	20											
Ethylbenzene	ug/L	<0.32	50	50	50	52.3	50.7	105	101	80-125	3	20											
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	50	51.0	49.4	102	99	70-130	3	20											
m&p-Xylene	ug/L	<0.47	100	100	100	103	99.1	103	99	70-130	3	20											
Methyl-tert-butyl ether	ug/L	<1.2	50	50	50	40.7	40.6	81	81	51-145	0	20											
Methylene Chloride	ug/L	<0.58	50	50	50	46.3	45.6	93	91	73-140	2	20											
o-Xylene	ug/L	<0.26	50	50	50	49.7	47.9	99	96	70-130	4	20											
Styrene	ug/L	<3.0	50	50	50	51.8	50.0	104	100	70-130	3	20											
Tetrachloroethene	ug/L	<0.33	50	50	50	52.4	50.6	105	101	70-130	3	20											
Toluene	ug/L	<0.27	50	50	50	51.8	50.5	104	101	80-131	3	20											
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	50	47.7	47.1	95	94	73-148	1	20											
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	50	44.0	43.3	88	87	70-130	2	20											
Trichloroethene	ug/L	<0.26	50	50	50	54.3	53.5	109	107	70-130	2	20											
Trichlorofluoromethane	ug/L	<0.21	50	50	50	59.8	58.2	120	116	74-147	3	20											
Vinyl chloride	ug/L	11.3	50	50	50	54.8	54.8	87	87	41-129	0	20											
Xylene (Total)	ug/L	<1.5	150	150	150	152	147	101	98	70-130	3	20											
4-Bromofluorobenzene (S)	%							102	101	70-130													
Dibromofluoromethane (S)	%							105	105	70-130													
Toluene-d8 (S)	%							103	102	70-130													

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

QC Batch: 44642 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: Iron, Ferrous
Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

METHOD BLANK: 205126 Matrix: Water
Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.20	0.20	03/17/20 15:45	

LABORATORY CONTROL SAMPLE: 205127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.4	0.40	99	80-120	

MATRIX SPIKE SAMPLE: 205128

Parameter	Units	40204544001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	2.9	1.6	2.2	-44	80-120	H3,M1

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204544

QC Batch: 349745 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

METHOD BLANK: 2026179 Matrix: Water
Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	03/12/20 11:11	

LABORATORY CONTROL SAMPLE: 2026180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.3	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2026181 2026182

Parameter	Units	2026181		2026182		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40204524003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	39.8J	400	400	455	453	104	103	90-110	0	15

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2026183 2026184

Parameter	Units	2026183		2026184		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40204515001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	167	400	400	588	591	105	106	90-110	0	15

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

QC Batch: 349919 Analysis Method: EPA 353.2
 QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

METHOD BLANK: 2027219 Matrix: Water
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	03/13/20 09:56	

LABORATORY CONTROL SAMPLE: 2027220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2027221 2027222

Parameter	Units	2027221		2027222		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40204544002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.3	2.4	93	95	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2027223 2027224

Parameter	Units	2027223		2027224		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40204592001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Nitrogen, NO2 plus NO3	mg/L	0.58J	12.5	12.5	13.2	13.4	101	102	90-110	1	20	

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

QC Batch: 349893 Analysis Method: SM 5310C
 QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

METHOD BLANK: 2027102 Matrix: Water
 Associated Lab Samples: 40204544001, 40204544002, 40204544003, 40204544007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.15	0.50	03/13/20 08:50	

LABORATORY CONTROL SAMPLE: 2027103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2027104 2027105

Parameter	Units	2027104		2027105		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40204544001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Total Organic Carbon	mg/L	0.36J	1	1	0.65	0.63	29	28	80-120	2	10 M0

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QUALIFIERS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-GA Pace Analytical Services - Atlanta, GA

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H3 Sample was received or analysis requested beyond the recognized method holding time.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204544

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40204544001	PZ-2R	EPA 8015B Modified	350272		
40204544002	MW-6	EPA 8015B Modified	350272		
40204544003	MW-6 DUP	EPA 8015B Modified	350272		
40204544007	PZ-1R	EPA 8015B Modified	350272		
40204544001	PZ-2R	EPA 3010	349902	EPA 6020	349970
40204544002	MW-6	EPA 3010	349902	EPA 6020	349970
40204544003	MW-6 DUP	EPA 3010	349902	EPA 6020	349970
40204544007	PZ-1R	EPA 3010	349902	EPA 6020	349970
40204544001	PZ-2R	EPA 8260	349776		
40204544002	MW-6	EPA 8260	349776		
40204544003	MW-6 DUP	EPA 8260	349776		
40204544004	PZ-4	EPA 8260	349776		
40204544005	MW-5	EPA 8260	349776		
40204544006	MW-4	EPA 8260	349776		
40204544007	PZ-1R	EPA 8260	349776		
40204544008	TRIP BLANK	EPA 8260	349776		
40204544001	PZ-2R	SM 3500 Fe -Fe2	44748		
40204544002	MW-6	SM 3500 Fe -Fe2	44748		
40204544003	MW-6 DUP	SM 3500 Fe -Fe2	44748		
40204544007	PZ-1R	SM 3500 Fe -Fe2	44748		
40204544001	PZ-2R	SM 3500-Fe B	44642		
40204544002	MW-6	SM 3500-Fe B	44642		
40204544003	MW-6 DUP	SM 3500-Fe B	44642		
40204544007	PZ-1R	SM 3500-Fe B	44642		
40204544001	PZ-2R	EPA 300.0	349745		
40204544002	MW-6	EPA 300.0	349745		
40204544003	MW-6 DUP	EPA 300.0	349745		
40204544007	PZ-1R	EPA 300.0	349745		
40204544001	PZ-2R	EPA 353.2	349919		
40204544002	MW-6	EPA 353.2	349919		
40204544003	MW-6 DUP	EPA 353.2	349919		
40204544007	PZ-1R	EPA 353.2	349919		
40204544001	PZ-2R	SM 5310C	349893		
40204544002	MW-6	SM 5310C	349893		
40204544003	MW-6 DUP	SM 5310C	349893		
40204544007	PZ-1R	SM 5310C	349893		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **RAMBOLI**
 Branch/Location: **BROOKFIELD**
 Project Contact: **SUSAN PETROFSKE**
 Phone: **262 901 3501**
 Project Number: **169 000 5819**
 Project Name: **FORMER IHR VALET**
 Project State: **WISCONSIN**
 Sampled By (Print): **DUNKAN GLASFORD**
 Sampled By (Sign): *[Signature]*
 PO #:



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

40204544

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

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

Y/N	N	N	N	N	N	N	Y
Pick Letter	B	B	B	C	C	A	D
Analyses Requested	VOL 8260	MEG	Fe 2+/3+	TOL 5310	NITRATE NITRITE 353.2	SULFATE	METALS
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X
	X	X	X	X	X	X	X

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact: **SUSAN PETROFSKE**
 Invoice To Company: **RAMBOLI**
 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		MATRIX
		DATE	TIME	
001	PZ-2R	3/10/20	928	GW
002	MW-6		1105	
003	MW-6 DUP		1110	
004	PZ-4		1233	
005	MW-5		1320	
006	MW-4		1408	
007	PZ-1R		1500	
008	TRIP BLANK			

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: *[Signature]* Date/Time: **1700 3/10/2020** Received By: *[Signature]* Date/Time: **3/10/2020 0815**

Transmit Prelim Rush Results by (complete what you want):
 Email #1: Relinquished By: Date/Time: Received By: Date/Time:
 Email #2: Relinquished By: Date/Time: Received By: Date/Time:
 Telephone: Relinquished By: Date/Time: Received By: Date/Time:
 Fax: Relinquished By: Date/Time: Received By: Date/Time:

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

PACE Project No. **40204544**
 Receipt Temp = **65** °C
 Sample Receipt pH **(P)/ Adjusted**
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact



Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll

Project #: _____

WO#: 40204544



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

Tracking #: 2170 031020

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

Cooler Temperature Uncorr: ROT /Corr: _____

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

Person examining contents:
Date: 3/11/20
Initials: MP

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO MAIL TO, P97</u> <u>3/11/20 MP</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>3/11/20 MP</u>
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>438</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: _____

Date: 3/11/2020
Page 2 of 2
Page 37 of 37

APPENDIX F

POST-REMEDIAL ACTION SOIL CONFIRMATION BORING LOGS AND ABANDONMENT FORMS

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

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C1	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane N, E S/C/N		Lat _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____		1/4 of Section _____, T _____ N, R _____		Long _____ ' _____ "	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village Milwaukee	





Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	60 36		0.0 2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, trace wood, light gray to brown.				0.0 0.2 0.9 5.4						
CS	60 30		5.0 7.5		FILL			5.1 0.6 103						PID reading associated with moist wood.
CS	60 6		10.0 12.5	FILL: Silty gravel with sand, gray, moist to wet.	FILL			12 40						
NR	60 0		15.0 17.5	NO RECOVERY										
CS	60 18		20.0 22.5	FILL: Silty clay, trace gravel, gray with gray-green mottling, stiff, moist to wet, noticeable odor.				38.2						Collected sample C1 (20-21).
CS	60 42		25.0 27.5 30.0		FILL			50 45						Collected sample C1 (26-28).
				End of boring at 30 ft.										

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

Signature	Firm Ramboll 175 N Corporate Drive Brookfield, WI 53045	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C2	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane N, E S/C/N		Lat _____ ' _____ " Long _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____		1/4 of Section _____, T _____ N, R _____			
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village Milwaukee	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
CS	60 30		2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, trace asphalt, light gray to brown.				5.6							
CS	60 30		5.0		FILL			19.1							
			7.5					17.4							
			10.0					0.5							
CS	60 24		12.5	FILL: Silty gravel with sand, gray, moist to wet.	FILL			0.2							
			15.0	FILL: Silty clay, trace gravel, gray with gray-green mottling, soft-medium, moist to wet, noticeable odor.				0.9							
CS	60 6		17.5					5.4							
			20.0					5.8							Collected sample C2 (17-18).
CS	60 3		22.5		FILL										
			25.0					6.7							
CS	60 6		27.5					7.9							
			30.0	End of boring at 30 ft.											Collected sample C2 (29-30).

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

Signature	Firm Ramboll 175 N Corporate Drive Brookfield, WI 53045	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C3	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	

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

Facility ID **_____** County **Milwaukee** County Code **41** Civil Town/City/ or Village **Milwaukee**

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	60 30		0.0 - 2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, trace asphalt, light gray to brown, dense 4-5ft.				0.0						
CS	60 30		2.5 - 7.5		FILL			0.0 0.1						
CS	60 9		7.5 - 10.0	FILL: Silty gravel with sand, gray, moist to wet.	FILL			0.1						
CS	60 12		10.0 - 17.5	FILL: Silty clay, trace gravel, gray with gray-green mottling, soft-medium, moist to wet, slight odor.	FILL			0.7 1.7						Collected sample C3 (15-16).
			17.5 - 20.0	SILT, some clay, trace rounded gravel, gray, medium stiff, moist. End of boring at 20 ft.	ML									Collected sample C3 (18-19).

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

Signature _____ Firm **Ramboll** Tel: (262) 901-0094
175 N Corporate Drive Brookfield, WI 53045 Fax: (262) 901-0079

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

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C4	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	

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

Facility ID **_____** County **Milwaukee** County Code **41** Civil Town/City/ or Village **Milwaukee**

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
CS	60 42		2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, trace metal, light gray to tan brown.	FILL			0.0							
CS	60 42		5.0		FILL			0.8							
CS	60 24		7.5	FILL: Silty gravel with sand, gray, moist to wet.	FILL			0.0							
CS	60 24		10.0	FILL: Silty clay, trace gravel, gray with gray-green mottling, soft-medium, moist to wet.	FILL			1.7							
CS	60 12		12.5		FILL			0.1							Collected sample C4 (14-15).
CS	60 12		15.0		FILL			13.7							Collected sample C4 (18-19).
			17.5					4.6							
			20.0	SILT, some clay, trace rounded gravel, gray, medium stiff, moist, slight odor. End of boring at 20 ft.	ML										

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

Signature _____ Firm **Ramboll** Tel: (262) 901-0094
175 N Corporate Drive Brookfield, WI 53045 Fax: (262) 901-0079

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

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C5	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane N, E S/C/N		Lat ° ' " Long ° ' "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of		1/4 of Section		T N, R	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village Milwaukee	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	60 36		2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, light gray to tan-brown, wet at 8 ft.				0.0						
CS	60 54		5.0		FILL			0.2						
			7.5					1.2						
CS	60 18		10.0	FILL: Silty gravel, with sand, gray, moist to wet.	FILL			6.0						
			12.5	FILL: Silty clay, trace gravel, gray-green mottled, soft-medium, moist to wet, slight odor.	FILL			18.1						
NR	60 0		15.0	NO RECOVERY										
			17.5											
CS	60 54		20.0	SILT, some clay, trace rounded gravel, gray, medium stiff, moist to wet. Silty sand lenses at 21 and 23.5 ft.	ML			47.2						
			22.5											
			25.0	End of boring at 25 ft.				55.9						

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

Signature	Firm Ramboll 175 N Corporate Drive Brookfield, WI 53045	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C5A	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane N, E S/C/N		Lat ° ' " Long ° ' "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of		1/4 of Section		T N, R	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village Milwaukee	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	60 36		2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, light gray to tan brown, moist to wet at 8 ft.										
CS	60 48		5.0		FILL			0.0						
CS	60 30		10.0	FILL: Silty gravel with sand, gray, moist to wet.	FILL									
			12.5	FILL: Silty clay, trace gravel, gray with gray-green mottling, soft-medium, moist to wet, slight odor.	FILL									
CS	60 48		15.0	SILT, some clay, some sand, trace rounded gravel, gray, medium stiff, moist to wet.	ML									
			17.5											
			20.0	End of boring at 20 ft.										

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

Signature	Firm Ramboll 175 N Corporate Drive Brookfield, WI 53045	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Marquette University - Former 1-Hour Valet Dry Cleaners		License/Permit/Monitoring Number NA		Boring Number C5B	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction and Exploration, LLC		Date Drilling Started 3/9/2020		Date Drilling Completed 3/9/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane N, E S/C/N		Lat ° ' "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of Section T N, R		Long ° ' "		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village Milwaukee	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
CS	60 30		2.5	ASPHALT FILL: Crushed gravel and concrete, few red brick, light gray to tan-brown, moist to wet at 8 ft.											
CS	60 42		5.0		FILL										
CS	60 36		10.0	FILL: Silty gravel with sand, gray, moist to wet.	FILL										
			12.5	FILL: Silty clay, trace gravel, gray with gray-green mottling, soft-medium, moist to wet, slight odor.	FILL										
CS	60 48		15.0	SILT, some clay, some sand, trace rounded gravel, gray, medium stiff, moist to wet.	ML										
			20.0	End of boring at 20 ft.											Collected sample C5 (12-13).

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

Signature	Firm Ramboll 175 N Corporate Drive Brookfield, WI 53045	Tel: (262) 901-0094 Fax: (262) 901-0079
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APPENDIX G

POST-REMEDIAL ACTION SOIL CONFIRMATION SAMPLE LABORATORY ANALYTICAL REPORTS

March 16, 2020

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204537

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2020. 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 Mieczko
steve.mieczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40204537001	C1 (20-21)	Solid	03/09/20 10:05	03/11/20 09:15
40204537002	C1 (26-28)	Solid	03/09/20 10:10	03/11/20 09:15
40204537003	C2 (17-18)	Solid	03/09/20 10:53	03/11/20 09:15
40204537004	C2 (29-30)	Solid	03/09/20 10:55	03/11/20 09:15
40204537005	C3 (15-16)	Solid	03/09/20 11:20	03/11/20 09:15
40204537006	C3 (18-19)	Solid	03/09/20 11:25	03/11/20 09:15
40204537007	C4 (14-15)	Solid	03/09/20 11:50	03/11/20 09:15
40204537008	C4 (18-19)	Solid	03/09/20 11:55	03/11/20 09:15
40204537009	C5 (14-15)	Solid	03/09/20 12:25	03/11/20 09:15
40204537010	C5 (12-13)	Solid	03/09/20 13:30	03/11/20 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40204537001	C1 (20-21)	EPA 8260	MDS	65
		ASTM D2974-87	MLR	1
40204537002	C1 (26-28)	EPA 8260	MDS	65
		ASTM D2974-87	MLR	1
40204537003	C2 (17-18)	EPA 8260	MDS	65
		ASTM D2974-87	MLR	1
40204537004	C2 (29-30)	EPA 8260	MDS	65
		ASTM D2974-87	MLR	1
40204537005	C3 (15-16)	EPA 8260	MDS	65
		ASTM D2974-87	MLR	1
40204537006	C3 (18-19)	EPA 8260	MDS	65
		ASTM D2974-87	MMX	1
40204537007	C4 (14-15)	EPA 8260	MDS	65
		ASTM D2974-87	MMX	1
40204537008	C4 (18-19)	EPA 8260	MDS	65
		ASTM D2974-87	MMX	1
40204537009	C5 (14-15)	EPA 8260	MDS	65
		ASTM D2974-87	MMX	1
40204537010	C5 (12-13)	EPA 8260	MDS	65
		ASTM D2974-87	MMX	1

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204537

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40204537001	C1 (20-21)					
EPA 8260	Tetrachloroethene	1940000	ug/kg	31800	03/13/20 16:16	
EPA 8260	Trichloroethene	104000	ug/kg	14800	03/13/20 16:16	
EPA 8260	cis-1,2-Dichloroethene	12000J	ug/kg	14800	03/13/20 16:16	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	03/13/20 15:53	
40204537002	C1 (26-28)					
EPA 8260	Tetrachloroethene	3000000	ug/kg	63900	03/16/20 10:52	
EPA 8260	Trichloroethene	24700	ug/kg	14900	03/13/20 16:33	
EPA 8260	cis-1,2-Dichloroethene	31300	ug/kg	14900	03/13/20 16:33	
ASTM D2974-87	Percent Moisture	19.2	%	0.10	03/13/20 15:53	
40204537003	C2 (17-18)					
EPA 8260	Benzene	63.5J	ug/kg	74.1	03/13/20 15:59	
EPA 8260	Ethylbenzene	59.7J	ug/kg	74.1	03/13/20 15:59	
EPA 8260	Tetrachloroethene	10100	ug/kg	159	03/13/20 15:59	
EPA 8260	Toluene	81.2	ug/kg	74.1	03/13/20 15:59	
EPA 8260	Trichloroethene	713	ug/kg	74.1	03/13/20 15:59	
EPA 8260	Xylene (Total)	172J	ug/kg	222	03/13/20 15:59	
EPA 8260	cis-1,2-Dichloroethene	1100	ug/kg	74.1	03/13/20 15:59	
EPA 8260	m&p-Xylene	138J	ug/kg	148	03/13/20 15:59	
EPA 8260	o-Xylene	34.1J	ug/kg	74.1	03/13/20 15:59	
ASTM D2974-87	Percent Moisture	19.0	%	0.10	03/13/20 15:53	
40204537004	C2 (29-30)					
EPA 8260	Tetrachloroethene	59500	ug/kg	1260	03/13/20 16:50	
EPA 8260	Trichloroethene	6900	ug/kg	586	03/13/20 16:50	
EPA 8260	cis-1,2-Dichloroethene	2200	ug/kg	586	03/13/20 16:50	
ASTM D2974-87	Percent Moisture	18.0	%	0.10	03/13/20 15:53	
40204537005	C3 (15-16)					
EPA 8260	Tetrachloroethene	668	ug/kg	152	03/13/20 12:16	
EPA 8260	Trichloroethene	40.3J	ug/kg	70.8	03/13/20 12:16	
ASTM D2974-87	Percent Moisture	15.3	%	0.10	03/13/20 15:53	
40204537006	C3 (18-19)					
EPA 8260	Tetrachloroethene	9500	ug/kg	298	03/13/20 17:41	
EPA 8260	Trichloroethene	1160	ug/kg	139	03/13/20 17:41	
EPA 8260	cis-1,2-Dichloroethene	1950	ug/kg	139	03/13/20 17:41	
ASTM D2974-87	Percent Moisture	13.5	%	0.10	03/13/20 17:32	
40204537007	C4 (14-15)					
EPA 8260	Tetrachloroethene	23500	ug/kg	659	03/13/20 17:24	
EPA 8260	Trichloroethene	1450	ug/kg	307	03/13/20 17:24	
EPA 8260	cis-1,2-Dichloroethene	4720	ug/kg	307	03/13/20 17:24	
ASTM D2974-87	Percent Moisture	21.7	%	0.10	03/13/20 17:32	
40204537008	C4 (18-19)					
EPA 8260	Tetrachloroethene	6320	ug/kg	156	03/13/20 15:41	
EPA 8260	Trichloroethene	51.4J	ug/kg	72.5	03/13/20 15:41	
EPA 8260	cis-1,2-Dichloroethene	394	ug/kg	72.5	03/13/20 15:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40204537008	C4 (18-19)					
ASTM D2974-87	Percent Moisture	17.3	%	0.10	03/13/20 17:32	
40204537009	C5 (14-15)					
EPA 8260	Tetrachloroethene	42300	ug/kg	779	03/13/20 17:07	
EPA 8260	Trichloroethene	3390	ug/kg	362	03/13/20 17:07	
EPA 8260	cis-1,2-Dichloroethene	264J	ug/kg	362	03/13/20 17:07	
ASTM D2974-87	Percent Moisture	17.2	%	0.10	03/13/20 17:32	
40204537010	C5 (12-13)					
EPA 8260	Benzene	51.9J	ug/kg	70.6	03/13/20 13:07	
EPA 8260	Ethylbenzene	43.3J	ug/kg	70.6	03/13/20 13:07	
EPA 8260	Tetrachloroethene	599	ug/kg	152	03/13/20 13:07	
EPA 8260	Toluene	74.0	ug/kg	70.6	03/13/20 13:07	
EPA 8260	m&p-Xylene	62.8J	ug/kg	141	03/13/20 13:07	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	03/13/20 17:33	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C1 (20-21) **Lab ID: 40204537001** Collected: 03/09/20 10:05 Received: 03/11/20 09:15 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	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	630-20-6	W
1,1,1-Trichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	71-55-6	W
1,1,2,2-Tetrachloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	79-34-5	W
1,1,2-Trichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	79-00-5	W
1,1-Dichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	75-34-3	W
1,1-Dichloroethene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	75-35-4	W
1,1-Dichloropropene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	563-58-6	W
1,2,3-Trichlorobenzene	<9460	ug/kg	31600	9460	200	03/13/20 08:15	03/13/20 16:16	87-61-6	W
1,2,3-Trichloropropane	<7490	ug/kg	25000	7490	200	03/13/20 08:15	03/13/20 16:16	96-18-4	W
1,2,4-Trichlorobenzene	<8330	ug/kg	50000	8330	200	03/13/20 08:15	03/13/20 16:16	120-82-1	W
1,2,4-Trimethylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	95-63-6	W
1,2-Dibromo-3-chloropropane	<47300	ug/kg	158000	47300	200	03/13/20 08:15	03/13/20 16:16	96-12-8	W
1,2-Dibromoethane (EDB)	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	106-93-4	W
1,2-Dichlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	95-50-1	W
1,2-Dichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	107-06-2	W
1,2-Dichloropropane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	78-87-5	W
1,3,5-Trimethylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	108-67-8	W
1,3-Dichlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	541-73-1	W
1,3-Dichloropropane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	142-28-9	W
1,4-Dichlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	106-46-7	W
2,2-Dichloropropane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	594-20-7	W
2-Chlorotoluene	<5000	ug/kg	12800	5000	200	03/13/20 08:15	03/13/20 16:16	95-49-8	W
4-Chlorotoluene	<5000	ug/kg	12800	5000	200	03/13/20 08:15	03/13/20 16:16	106-43-4	W
Benzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	71-43-2	W
Bromobenzene	<5000	ug/kg	12400	5000	200	03/13/20 08:15	03/13/20 16:16	108-86-1	W
Bromochloromethane	<5000	ug/kg	14000	5000	200	03/13/20 08:15	03/13/20 16:16	74-97-5	W
Bromodichloromethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	75-27-4	W
Bromoform	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:16	75-25-2	W
Bromomethane	<12800	ug/kg	50000	12800	200	03/13/20 08:15	03/13/20 16:16	74-83-9	W
Carbon tetrachloride	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	56-23-5	W
Chlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	108-90-7	W
Chloroethane	<9280	ug/kg	50000	9280	200	03/13/20 08:15	03/13/20 16:16	75-00-3	W
Chloroform	<9500	ug/kg	50000	9500	200	03/13/20 08:15	03/13/20 16:16	67-66-3	W
Chloromethane	<5000	ug/kg	16000	5000	200	03/13/20 08:15	03/13/20 16:16	74-87-3	W
Dibromochloromethane	<45800	ug/kg	153000	45800	200	03/13/20 08:15	03/13/20 16:16	124-48-1	W
Dibromomethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	74-95-3	W
Dichlorodifluoromethane	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:16	75-71-8	W
Diisopropyl ether	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	108-20-3	W
Ethylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	100-41-4	W
Hexachloro-1,3-butadiene	<13700	ug/kg	45800	13700	200	03/13/20 08:15	03/13/20 16:16	87-68-3	W
Isopropylbenzene (Cumene)	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	98-82-8	W
Methyl-tert-butyl ether	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	1634-04-4	W
Methylene Chloride	<5250	ug/kg	17600	5250	200	03/13/20 08:15	03/13/20 16:16	75-09-2	W
Naphthalene	<5460	ug/kg	18200	5460	200	03/13/20 08:15	03/13/20 16:16	91-20-3	W
Styrene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Sample Project No.: 40204537

Sample: C1 (20-21) **Lab ID: 40204537001** Collected: 03/09/20 10:05 Received: 03/11/20 09:15 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							
Tetrachloroethene	1940000	ug/kg	31800	9540	200	03/13/20 08:15	03/13/20 16:16	127-18-4	
Toluene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	108-88-3	W
Trichloroethene	104000	ug/kg	14800	6170	200	03/13/20 08:15	03/13/20 16:16	79-01-6	
Trichlorofluoromethane	<5000	ug/kg	13000	5000	200	03/13/20 08:15	03/13/20 16:16	75-69-4	W
Vinyl chloride	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	75-01-4	W
Xylene (Total)	<15000	ug/kg	36000	15000	200	03/13/20 08:15	03/13/20 16:16	1330-20-7	W
cis-1,2-Dichloroethene	12000J	ug/kg	14800	6170	200	03/13/20 08:15	03/13/20 16:16	156-59-2	
cis-1,3-Dichloropropene	<8450	ug/kg	28200	8450	200	03/13/20 08:15	03/13/20 16:16	10061-01-5	W
m&p-Xylene	<10000	ug/kg	24000	10000	200	03/13/20 08:15	03/13/20 16:16	179601-23-1	W
n-Butylbenzene	<6010	ug/kg	20000	6010	200	03/13/20 08:15	03/13/20 16:16	104-51-8	W
n-Propylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	103-65-1	W
o-Xylene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:16	95-47-6	W
p-Isopropyltoluene	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:16	99-87-6	W
sec-Butylbenzene	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:16	135-98-8	W
tert-Butylbenzene	<5000	ug/kg	12400	5000	200	03/13/20 08:15	03/13/20 16:16	98-06-6	W
trans-1,2-Dichloroethene	<5000	ug/kg	13400	5000	200	03/13/20 08:15	03/13/20 16:16	156-60-5	W
trans-1,3-Dichloropropene	<5000	ug/kg	14800	5000	200	03/13/20 08:15	03/13/20 16:16	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-146		200	03/13/20 08:15	03/13/20 16:16	1868-53-7	S4
Toluene-d8 (S)	0	%	64-134		200	03/13/20 08:15	03/13/20 16:16	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	54-126		200	03/13/20 08:15	03/13/20 16:16	460-00-4	S4
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	18.9	%	0.10	0.10	1		03/13/20 15:53		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C1 (26-28) **Lab ID: 40204537002** Collected: 03/09/20 10:10 Received: 03/11/20 09:15 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	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	630-20-6	W
1,1,1-Trichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	71-55-6	W
1,1,2,2-Tetrachloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	79-34-5	W
1,1,2-Trichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	79-00-5	W
1,1-Dichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	75-34-3	W
1,1-Dichloroethene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	75-35-4	W
1,1-Dichloropropene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	563-58-6	W
1,2,3-Trichlorobenzene	<9460	ug/kg	31600	9460	200	03/13/20 08:15	03/13/20 16:33	87-61-6	W
1,2,3-Trichloropropane	<7490	ug/kg	25000	7490	200	03/13/20 08:15	03/13/20 16:33	96-18-4	W
1,2,4-Trichlorobenzene	<8330	ug/kg	50000	8330	200	03/13/20 08:15	03/13/20 16:33	120-82-1	W
1,2,4-Trimethylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	95-63-6	W
1,2-Dibromo-3-chloropropane	<47300	ug/kg	158000	47300	200	03/13/20 08:15	03/13/20 16:33	96-12-8	W
1,2-Dibromoethane (EDB)	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	106-93-4	W
1,2-Dichlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	95-50-1	W
1,2-Dichloroethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	107-06-2	W
1,2-Dichloropropane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	78-87-5	W
1,3,5-Trimethylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	108-67-8	W
1,3-Dichlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	541-73-1	W
1,3-Dichloropropane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	142-28-9	W
1,4-Dichlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	106-46-7	W
2,2-Dichloropropane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	594-20-7	W
2-Chlorotoluene	<5000	ug/kg	12800	5000	200	03/13/20 08:15	03/13/20 16:33	95-49-8	W
4-Chlorotoluene	<5000	ug/kg	12800	5000	200	03/13/20 08:15	03/13/20 16:33	106-43-4	W
Benzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	71-43-2	W
Bromobenzene	<5000	ug/kg	12400	5000	200	03/13/20 08:15	03/13/20 16:33	108-86-1	W
Bromochloromethane	<5000	ug/kg	14000	5000	200	03/13/20 08:15	03/13/20 16:33	74-97-5	W
Bromodichloromethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	75-27-4	W
Bromoform	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:33	75-25-2	W
Bromomethane	<12800	ug/kg	50000	12800	200	03/13/20 08:15	03/13/20 16:33	74-83-9	W
Carbon tetrachloride	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	56-23-5	W
Chlorobenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	108-90-7	W
Chloroethane	<9280	ug/kg	50000	9280	200	03/13/20 08:15	03/13/20 16:33	75-00-3	W
Chloroform	<9500	ug/kg	50000	9500	200	03/13/20 08:15	03/13/20 16:33	67-66-3	W
Chloromethane	<5000	ug/kg	16000	5000	200	03/13/20 08:15	03/13/20 16:33	74-87-3	W
Dibromochloromethane	<45800	ug/kg	153000	45800	200	03/13/20 08:15	03/13/20 16:33	124-48-1	W
Dibromomethane	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	74-95-3	W
Dichlorodifluoromethane	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:33	75-71-8	W
Diisopropyl ether	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	108-20-3	W
Ethylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	100-41-4	W
Hexachloro-1,3-butadiene	<13700	ug/kg	45800	13700	200	03/13/20 08:15	03/13/20 16:33	87-68-3	W
Isopropylbenzene (Cumene)	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	98-82-8	W
Methyl-tert-butyl ether	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	1634-04-4	W
Methylene Chloride	<5250	ug/kg	17600	5250	200	03/13/20 08:15	03/13/20 16:33	75-09-2	W
Naphthalene	<5460	ug/kg	18200	5460	200	03/13/20 08:15	03/13/20 16:33	91-20-3	W
Styrene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Trace Project No.: 40204537

Sample: C1 (26-28) **Lab ID: 40204537002** Collected: 03/09/20 10:10 Received: 03/11/20 09:15 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							
Tetrachloroethene	3000000	ug/kg	63900	19200	400	03/13/20 08:15	03/16/20 10:52	127-18-4	
Toluene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	108-88-3	W
Trichloroethene	24700	ug/kg	14900	6190	200	03/13/20 08:15	03/13/20 16:33	79-01-6	
Trichlorofluoromethane	<5000	ug/kg	13000	5000	200	03/13/20 08:15	03/13/20 16:33	75-69-4	W
Vinyl chloride	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	75-01-4	W
Xylene (Total)	<15000	ug/kg	36000	15000	200	03/13/20 08:15	03/13/20 16:33	1330-20-7	W
cis-1,2-Dichloroethene	31300	ug/kg	14900	6190	200	03/13/20 08:15	03/13/20 16:33	156-59-2	
cis-1,3-Dichloropropene	<8450	ug/kg	28200	8450	200	03/13/20 08:15	03/13/20 16:33	10061-01-5	W
m&p-Xylene	<10000	ug/kg	24000	10000	200	03/13/20 08:15	03/13/20 16:33	179601-23-1	W
n-Butylbenzene	<6010	ug/kg	20000	6010	200	03/13/20 08:15	03/13/20 16:33	104-51-8	W
n-Propylbenzene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	103-65-1	W
o-Xylene	<5000	ug/kg	12000	5000	200	03/13/20 08:15	03/13/20 16:33	95-47-6	W
p-Isopropyltoluene	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:33	99-87-6	W
sec-Butylbenzene	<5000	ug/kg	14400	5000	200	03/13/20 08:15	03/13/20 16:33	135-98-8	W
tert-Butylbenzene	<5000	ug/kg	12400	5000	200	03/13/20 08:15	03/13/20 16:33	98-06-6	W
trans-1,2-Dichloroethene	<5000	ug/kg	13400	5000	200	03/13/20 08:15	03/13/20 16:33	156-60-5	W
trans-1,3-Dichloropropene	<5000	ug/kg	14800	5000	200	03/13/20 08:15	03/13/20 16:33	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-146		200	03/13/20 08:15	03/13/20 16:33	1868-53-7	S4
Toluene-d8 (S)	0	%	64-134		200	03/13/20 08:15	03/13/20 16:33	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	54-126		200	03/13/20 08:15	03/13/20 16:33	460-00-4	S4
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.2	%	0.10	0.10	1		03/13/20 15:53		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C2 (17-18) **Lab ID: 40204537003** Collected: 03/09/20 10:53 Received: 03/11/20 09:15 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	03/13/20 08:15	03/13/20 15:59	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	03/13/20 08:15	03/13/20 15:59	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	03/13/20 08:15	03/13/20 15:59	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	03/13/20 08:15	03/13/20 15:59	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	03/13/20 08:15	03/13/20 15:59	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 15:59	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 15:59	106-43-4	W
Benzene	63.5J	ug/kg	74.1	30.9	1	03/13/20 08:15	03/13/20 15:59	71-43-2	
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 15:59	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	03/13/20 08:15	03/13/20 15:59	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	03/13/20 08:15	03/13/20 15:59	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	03/13/20 08:15	03/13/20 15:59	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	03/13/20 08:15	03/13/20 15:59	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	03/13/20 08:15	03/13/20 15:59	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	03/13/20 08:15	03/13/20 15:59	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	108-20-3	W
Ethylbenzene	59.7J	ug/kg	74.1	30.9	1	03/13/20 08:15	03/13/20 15:59	100-41-4	
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	03/13/20 08:15	03/13/20 15:59	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	03/13/20 08:15	03/13/20 15:59	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	03/13/20 08:15	03/13/20 15:59	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204537

Sample: C2 (17-18) **Lab ID: 40204537003** Collected: 03/09/20 10:53 Received: 03/11/20 09:15 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							
Tetrachloroethene	10100	ug/kg	159	47.8	1	03/13/20 08:15	03/13/20 15:59	127-18-4	
Toluene	81.2	ug/kg	74.1	30.9	1	03/13/20 08:15	03/13/20 15:59	108-88-3	
Trichloroethene	713	ug/kg	74.1	30.9	1	03/13/20 08:15	03/13/20 15:59	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	75-01-4	W
Xylene (Total)	172J	ug/kg	222	92.6	1	03/13/20 08:15	03/13/20 15:59	1330-20-7	
cis-1,2-Dichloroethene	1100	ug/kg	74.1	30.9	1	03/13/20 08:15	03/13/20 15:59	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	03/13/20 08:15	03/13/20 15:59	10061-01-5	W
m&p-Xylene	138J	ug/kg	148	61.7	1	03/13/20 08:15	03/13/20 15:59	179601-23-1	
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	03/13/20 08:15	03/13/20 15:59	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:59	103-65-1	W
o-Xylene	34.1J	ug/kg	74.1	30.9	1	03/13/20 08:15	03/13/20 15:59	95-47-6	
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:59	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:59	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 15:59	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	03/13/20 08:15	03/13/20 15:59	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	03/13/20 08:15	03/13/20 15:59	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-146		1	03/13/20 08:15	03/13/20 15:59	1868-53-7	
Toluene-d8 (S)	116	%	64-134		1	03/13/20 08:15	03/13/20 15:59	2037-26-5	
4-Bromofluorobenzene (S)	103	%	54-126		1	03/13/20 08:15	03/13/20 15:59	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.0	%	0.10	0.10	1		03/13/20 15:53		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Sample Project No.: 40204537

Sample: C2 (29-30) **Lab ID: 40204537004** Collected: 03/09/20 10:55 Received: 03/11/20 09:15 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	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	630-20-6	W
1,1,1-Trichloroethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	71-55-6	W
1,1,2,2-Tetrachloroethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	79-34-5	W
1,1,2-Trichloroethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	79-00-5	W
1,1-Dichloroethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	75-34-3	W
1,1-Dichloroethene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	75-35-4	W
1,1-Dichloropropene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	563-58-6	W
1,2,3-Trichlorobenzene	<379	ug/kg	1260	379	8	03/13/20 08:15	03/13/20 16:50	87-61-6	W
1,2,3-Trichloropropane	<299	ug/kg	1000	299	8	03/13/20 08:15	03/13/20 16:50	96-18-4	W
1,2,4-Trichlorobenzene	<333	ug/kg	2000	333	8	03/13/20 08:15	03/13/20 16:50	120-82-1	W
1,2,4-Trimethylbenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	95-63-6	W
1,2-Dibromo-3-chloropropane	<1890	ug/kg	6310	1890	8	03/13/20 08:15	03/13/20 16:50	96-12-8	W
1,2-Dibromoethane (EDB)	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	106-93-4	W
1,2-Dichlorobenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	95-50-1	W
1,2-Dichloroethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	107-06-2	W
1,2-Dichloropropane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	78-87-5	W
1,3,5-Trimethylbenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	108-67-8	W
1,3-Dichlorobenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	541-73-1	W
1,3-Dichloropropane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	142-28-9	W
1,4-Dichlorobenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	106-46-7	W
2,2-Dichloropropane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	594-20-7	W
2-Chlorotoluene	<200	ug/kg	512	200	8	03/13/20 08:15	03/13/20 16:50	95-49-8	W
4-Chlorotoluene	<200	ug/kg	512	200	8	03/13/20 08:15	03/13/20 16:50	106-43-4	W
Benzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	71-43-2	W
Bromobenzene	<200	ug/kg	496	200	8	03/13/20 08:15	03/13/20 16:50	108-86-1	W
Bromochloromethane	<200	ug/kg	560	200	8	03/13/20 08:15	03/13/20 16:50	74-97-5	W
Bromodichloromethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	75-27-4	W
Bromoform	<200	ug/kg	576	200	8	03/13/20 08:15	03/13/20 16:50	75-25-2	W
Bromomethane	<510	ug/kg	2000	510	8	03/13/20 08:15	03/13/20 16:50	74-83-9	W
Carbon tetrachloride	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	56-23-5	W
Chlorobenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	108-90-7	W
Chloroethane	<371	ug/kg	2000	371	8	03/13/20 08:15	03/13/20 16:50	75-00-3	W
Chloroform	<380	ug/kg	2000	380	8	03/13/20 08:15	03/13/20 16:50	67-66-3	W
Chloromethane	<200	ug/kg	640	200	8	03/13/20 08:15	03/13/20 16:50	74-87-3	W
Dibromochloromethane	<1830	ug/kg	6100	1830	8	03/13/20 08:15	03/13/20 16:50	124-48-1	W
Dibromomethane	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	74-95-3	W
Dichlorodifluoromethane	<200	ug/kg	576	200	8	03/13/20 08:15	03/13/20 16:50	75-71-8	W
Diisopropyl ether	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	108-20-3	W
Ethylbenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	100-41-4	W
Hexachloro-1,3-butadiene	<550	ug/kg	1830	550	8	03/13/20 08:15	03/13/20 16:50	87-68-3	W
Isopropylbenzene (Cumene)	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	98-82-8	W
Methyl-tert-butyl ether	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	1634-04-4	W
Methylene Chloride	<210	ug/kg	704	210	8	03/13/20 08:15	03/13/20 16:50	75-09-2	W
Naphthalene	<218	ug/kg	728	218	8	03/13/20 08:15	03/13/20 16:50	91-20-3	W
Styrene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	100-42-5	W

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C2 (29-30) **Lab ID: 40204537004** Collected: 03/09/20 10:55 Received: 03/11/20 09:15 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							
Tetrachloroethene	59500	ug/kg	1260	378	8	03/13/20 08:15	03/13/20 16:50	127-18-4	
Toluene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	108-88-3	W
Trichloroethene	6900	ug/kg	586	244	8	03/13/20 08:15	03/13/20 16:50	79-01-6	
Trichlorofluoromethane	<200	ug/kg	520	200	8	03/13/20 08:15	03/13/20 16:50	75-69-4	W
Vinyl chloride	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	75-01-4	W
Xylene (Total)	<600	ug/kg	1440	600	8	03/13/20 08:15	03/13/20 16:50	1330-20-7	W
cis-1,2-Dichloroethene	2200	ug/kg	586	244	8	03/13/20 08:15	03/13/20 16:50	156-59-2	
cis-1,3-Dichloropropene	<338	ug/kg	1130	338	8	03/13/20 08:15	03/13/20 16:50	10061-01-5	W
m&p-Xylene	<400	ug/kg	960	400	8	03/13/20 08:15	03/13/20 16:50	179601-23-1	W
n-Butylbenzene	<240	ug/kg	800	240	8	03/13/20 08:15	03/13/20 16:50	104-51-8	W
n-Propylbenzene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	103-65-1	W
o-Xylene	<200	ug/kg	480	200	8	03/13/20 08:15	03/13/20 16:50	95-47-6	W
p-Isopropyltoluene	<200	ug/kg	576	200	8	03/13/20 08:15	03/13/20 16:50	99-87-6	W
sec-Butylbenzene	<200	ug/kg	576	200	8	03/13/20 08:15	03/13/20 16:50	135-98-8	W
tert-Butylbenzene	<200	ug/kg	496	200	8	03/13/20 08:15	03/13/20 16:50	98-06-6	W
trans-1,2-Dichloroethene	<200	ug/kg	536	200	8	03/13/20 08:15	03/13/20 16:50	156-60-5	W
trans-1,3-Dichloropropene	<200	ug/kg	592	200	8	03/13/20 08:15	03/13/20 16:50	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-146		8	03/13/20 08:15	03/13/20 16:50	1868-53-7	
Toluene-d8 (S)	111	%	64-134		8	03/13/20 08:15	03/13/20 16:50	2037-26-5	
4-Bromofluorobenzene (S)	95	%	54-126		8	03/13/20 08:15	03/13/20 16:50	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	18.0	%	0.10	0.10	1		03/13/20 15:53		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C3 (15-16) **Lab ID: 40204537005** Collected: 03/09/20 11:20 Received: 03/11/20 09:15 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	03/13/20 08:15	03/13/20 12:16	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	03/13/20 08:15	03/13/20 12:16	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	03/13/20 08:15	03/13/20 12:16	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	03/13/20 08:15	03/13/20 12:16	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	03/13/20 08:15	03/13/20 12:16	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 12:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 12:16	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 12:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	03/13/20 08:15	03/13/20 12:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	03/13/20 08:15	03/13/20 12:16	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	03/13/20 08:15	03/13/20 12:16	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	03/13/20 08:15	03/13/20 12:16	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	03/13/20 08:15	03/13/20 12:16	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	03/13/20 08:15	03/13/20 12:16	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	03/13/20 08:15	03/13/20 12:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	03/13/20 08:15	03/13/20 12:16	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	03/13/20 08:15	03/13/20 12:16	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	100-42-5	W

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C3 (15-16) **Lab ID: 40204537005** Collected: 03/09/20 11:20 Received: 03/11/20 09:15 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							
Tetrachloroethene	668	ug/kg	152	45.7	1	03/13/20 08:15	03/13/20 12:16	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	108-88-3	W
Trichloroethene	40.3J	ug/kg	70.8	29.5	1	03/13/20 08:15	03/13/20 12:16	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	03/13/20 08:15	03/13/20 12:16	1330-20-7	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	03/13/20 08:15	03/13/20 12:16	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	03/13/20 08:15	03/13/20 12:16	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	03/13/20 08:15	03/13/20 12:16	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 12:16	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 12:16	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 12:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 12:16	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	03/13/20 08:15	03/13/20 12:16	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	03/13/20 08:15	03/13/20 12:16	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-146		1	03/13/20 08:15	03/13/20 12:16	1868-53-7	
Toluene-d8 (S)	115	%	64-134		1	03/13/20 08:15	03/13/20 12:16	2037-26-5	
4-Bromofluorobenzene (S)	104	%	54-126		1	03/13/20 08:15	03/13/20 12:16	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.3	%	0.10	0.10	1		03/13/20 15:53		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C3 (18-19) **Lab ID: 40204537006** Collected: 03/09/20 11:25 Received: 03/11/20 09:15 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	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	630-20-6	W
1,1,1-Trichloroethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	71-55-6	W
1,1,2,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	79-34-5	W
1,1,2-Trichloroethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	79-00-5	W
1,1-Dichloroethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	75-34-3	W
1,1-Dichloroethene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	75-35-4	W
1,1-Dichloropropene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	563-58-6	W
1,2,3-Trichlorobenzene	<94.6	ug/kg	316	94.6	2	03/13/20 08:15	03/13/20 17:41	87-61-6	W
1,2,3-Trichloropropane	<74.9	ug/kg	250	74.9	2	03/13/20 08:15	03/13/20 17:41	96-18-4	W
1,2,4-Trichlorobenzene	<83.3	ug/kg	500	83.3	2	03/13/20 08:15	03/13/20 17:41	120-82-1	W
1,2,4-Trimethylbenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	95-63-6	W
1,2-Dibromo-3-chloropropane	<473	ug/kg	1580	473	2	03/13/20 08:15	03/13/20 17:41	96-12-8	W
1,2-Dibromoethane (EDB)	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	106-93-4	W
1,2-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	95-50-1	W
1,2-Dichloroethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	107-06-2	W
1,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	78-87-5	W
1,3,5-Trimethylbenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	108-67-8	W
1,3-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	541-73-1	W
1,3-Dichloropropane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	142-28-9	W
1,4-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	106-46-7	W
2,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	594-20-7	W
2-Chlorotoluene	<50.0	ug/kg	128	50.0	2	03/13/20 08:15	03/13/20 17:41	95-49-8	W
4-Chlorotoluene	<50.0	ug/kg	128	50.0	2	03/13/20 08:15	03/13/20 17:41	106-43-4	W
Benzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	71-43-2	W
Bromobenzene	<50.0	ug/kg	124	50.0	2	03/13/20 08:15	03/13/20 17:41	108-86-1	W
Bromochloromethane	<50.0	ug/kg	140	50.0	2	03/13/20 08:15	03/13/20 17:41	74-97-5	W
Bromodichloromethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	75-27-4	W
Bromoform	<50.0	ug/kg	144	50.0	2	03/13/20 08:15	03/13/20 17:41	75-25-2	W
Bromomethane	<128	ug/kg	500	128	2	03/13/20 08:15	03/13/20 17:41	74-83-9	W
Carbon tetrachloride	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	56-23-5	W
Chlorobenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	108-90-7	W
Chloroethane	<92.8	ug/kg	500	92.8	2	03/13/20 08:15	03/13/20 17:41	75-00-3	W
Chloroform	<95.0	ug/kg	500	95.0	2	03/13/20 08:15	03/13/20 17:41	67-66-3	W
Chloromethane	<50.0	ug/kg	160	50.0	2	03/13/20 08:15	03/13/20 17:41	74-87-3	W
Dibromochloromethane	<458	ug/kg	1530	458	2	03/13/20 08:15	03/13/20 17:41	124-48-1	W
Dibromomethane	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	74-95-3	W
Dichlorodifluoromethane	<50.0	ug/kg	144	50.0	2	03/13/20 08:15	03/13/20 17:41	75-71-8	W
Diisopropyl ether	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	108-20-3	W
Ethylbenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	100-41-4	W
Hexachloro-1,3-butadiene	<137	ug/kg	458	137	2	03/13/20 08:15	03/13/20 17:41	87-68-3	W
Isopropylbenzene (Cumene)	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	98-82-8	W
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	1634-04-4	W
Methylene Chloride	<52.5	ug/kg	176	52.5	2	03/13/20 08:15	03/13/20 17:41	75-09-2	W
Naphthalene	<54.6	ug/kg	182	54.6	2	03/13/20 08:15	03/13/20 17:41	91-20-3	W
Styrene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	100-42-5	W

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204537

Sample: C3 (18-19) **Lab ID: 40204537006** Collected: 03/09/20 11:25 Received: 03/11/20 09:15 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							
Tetrachloroethene	9500	ug/kg	298	89.4	2	03/13/20 08:15	03/13/20 17:41	127-18-4	
Toluene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	108-88-3	W
Trichloroethene	1160	ug/kg	139	57.8	2	03/13/20 08:15	03/13/20 17:41	79-01-6	
Trichlorofluoromethane	<50.0	ug/kg	130	50.0	2	03/13/20 08:15	03/13/20 17:41	75-69-4	W
Vinyl chloride	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	75-01-4	W
Xylene (Total)	<150	ug/kg	360	150	2	03/13/20 08:15	03/13/20 17:41	1330-20-7	W
cis-1,2-Dichloroethene	1950	ug/kg	139	57.8	2	03/13/20 08:15	03/13/20 17:41	156-59-2	
cis-1,3-Dichloropropene	<84.5	ug/kg	282	84.5	2	03/13/20 08:15	03/13/20 17:41	10061-01-5	W
m&p-Xylene	<100	ug/kg	240	100	2	03/13/20 08:15	03/13/20 17:41	179601-23-1	W
n-Butylbenzene	<60.1	ug/kg	200	60.1	2	03/13/20 08:15	03/13/20 17:41	104-51-8	W
n-Propylbenzene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	103-65-1	W
o-Xylene	<50.0	ug/kg	120	50.0	2	03/13/20 08:15	03/13/20 17:41	95-47-6	W
p-Isopropyltoluene	<50.0	ug/kg	144	50.0	2	03/13/20 08:15	03/13/20 17:41	99-87-6	W
sec-Butylbenzene	<50.0	ug/kg	144	50.0	2	03/13/20 08:15	03/13/20 17:41	135-98-8	W
tert-Butylbenzene	<50.0	ug/kg	124	50.0	2	03/13/20 08:15	03/13/20 17:41	98-06-6	W
trans-1,2-Dichloroethene	<50.0	ug/kg	134	50.0	2	03/13/20 08:15	03/13/20 17:41	156-60-5	W
trans-1,3-Dichloropropene	<50.0	ug/kg	148	50.0	2	03/13/20 08:15	03/13/20 17:41	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	57-146		2	03/13/20 08:15	03/13/20 17:41	1868-53-7	
Toluene-d8 (S)	105	%	64-134		2	03/13/20 08:15	03/13/20 17:41	2037-26-5	
4-Bromofluorobenzene (S)	92	%	54-126		2	03/13/20 08:15	03/13/20 17:41	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.5	%	0.10	0.10	1		03/13/20 17:32		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C4 (14-15) **Lab ID: 40204537007** Collected: 03/09/20 11:50 Received: 03/11/20 09:15 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	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	630-20-6	W
1,1,1-Trichloroethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	71-55-6	W
1,1,2,2-Tetrachloroethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	79-34-5	W
1,1,2-Trichloroethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	79-00-5	W
1,1-Dichloroethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	75-34-3	W
1,1-Dichloroethene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	75-35-4	W
1,1-Dichloropropene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	563-58-6	W
1,2,3-Trichlorobenzene	<189	ug/kg	632	189	4	03/13/20 08:15	03/13/20 17:24	87-61-6	W
1,2,3-Trichloropropane	<150	ug/kg	500	150	4	03/13/20 08:15	03/13/20 17:24	96-18-4	W
1,2,4-Trichlorobenzene	<167	ug/kg	1000	167	4	03/13/20 08:15	03/13/20 17:24	120-82-1	W
1,2,4-Trimethylbenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	95-63-6	W
1,2-Dibromo-3-chloropropane	<947	ug/kg	3160	947	4	03/13/20 08:15	03/13/20 17:24	96-12-8	W
1,2-Dibromoethane (EDB)	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	106-93-4	W
1,2-Dichlorobenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	95-50-1	W
1,2-Dichloroethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	107-06-2	W
1,2-Dichloropropane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	78-87-5	W
1,3,5-Trimethylbenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	108-67-8	W
1,3-Dichlorobenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	541-73-1	W
1,3-Dichloropropane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	142-28-9	W
1,4-Dichlorobenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	106-46-7	W
2,2-Dichloropropane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	594-20-7	W
2-Chlorotoluene	<100	ug/kg	256	100	4	03/13/20 08:15	03/13/20 17:24	95-49-8	W
4-Chlorotoluene	<100	ug/kg	256	100	4	03/13/20 08:15	03/13/20 17:24	106-43-4	W
Benzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	71-43-2	W
Bromobenzene	<100	ug/kg	248	100	4	03/13/20 08:15	03/13/20 17:24	108-86-1	W
Bromochloromethane	<100	ug/kg	280	100	4	03/13/20 08:15	03/13/20 17:24	74-97-5	W
Bromodichloromethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	75-27-4	W
Bromoform	<100	ug/kg	288	100	4	03/13/20 08:15	03/13/20 17:24	75-25-2	W
Bromomethane	<255	ug/kg	1000	255	4	03/13/20 08:15	03/13/20 17:24	74-83-9	W
Carbon tetrachloride	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	56-23-5	W
Chlorobenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	108-90-7	W
Chloroethane	<186	ug/kg	1000	186	4	03/13/20 08:15	03/13/20 17:24	75-00-3	W
Chloroform	<190	ug/kg	1000	190	4	03/13/20 08:15	03/13/20 17:24	67-66-3	W
Chloromethane	<100	ug/kg	320	100	4	03/13/20 08:15	03/13/20 17:24	74-87-3	W
Dibromochloromethane	<916	ug/kg	3050	916	4	03/13/20 08:15	03/13/20 17:24	124-48-1	W
Dibromomethane	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	74-95-3	W
Dichlorodifluoromethane	<100	ug/kg	288	100	4	03/13/20 08:15	03/13/20 17:24	75-71-8	W
Diisopropyl ether	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	108-20-3	W
Ethylbenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	100-41-4	W
Hexachloro-1,3-butadiene	<275	ug/kg	916	275	4	03/13/20 08:15	03/13/20 17:24	87-68-3	W
Isopropylbenzene (Cumene)	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	98-82-8	W
Methyl-tert-butyl ether	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	1634-04-4	W
Methylene Chloride	<105	ug/kg	352	105	4	03/13/20 08:15	03/13/20 17:24	75-09-2	W
Naphthalene	<109	ug/kg	364	109	4	03/13/20 08:15	03/13/20 17:24	91-20-3	W
Styrene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	100-42-5	W

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C4 (14-15) Lab ID: 40204537007 Collected: 03/09/20 11:50 Received: 03/11/20 09:15 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							
Tetrachloroethene	23500	ug/kg	659	198	4	03/13/20 08:15	03/13/20 17:24	127-18-4	
Toluene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	108-88-3	W
Trichloroethene	1450	ug/kg	307	128	4	03/13/20 08:15	03/13/20 17:24	79-01-6	
Trichlorofluoromethane	<100	ug/kg	260	100	4	03/13/20 08:15	03/13/20 17:24	75-69-4	W
Vinyl chloride	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	75-01-4	W
Xylene (Total)	<300	ug/kg	720	300	4	03/13/20 08:15	03/13/20 17:24	1330-20-7	W
cis-1,2-Dichloroethene	4720	ug/kg	307	128	4	03/13/20 08:15	03/13/20 17:24	156-59-2	
cis-1,3-Dichloropropene	<169	ug/kg	564	169	4	03/13/20 08:15	03/13/20 17:24	10061-01-5	W
m&p-Xylene	<200	ug/kg	480	200	4	03/13/20 08:15	03/13/20 17:24	179601-23-1	W
n-Butylbenzene	<120	ug/kg	400	120	4	03/13/20 08:15	03/13/20 17:24	104-51-8	W
n-Propylbenzene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	103-65-1	W
o-Xylene	<100	ug/kg	240	100	4	03/13/20 08:15	03/13/20 17:24	95-47-6	W
p-Isopropyltoluene	<100	ug/kg	288	100	4	03/13/20 08:15	03/13/20 17:24	99-87-6	W
sec-Butylbenzene	<100	ug/kg	288	100	4	03/13/20 08:15	03/13/20 17:24	135-98-8	W
tert-Butylbenzene	<100	ug/kg	248	100	4	03/13/20 08:15	03/13/20 17:24	98-06-6	W
trans-1,2-Dichloroethene	<100	ug/kg	268	100	4	03/13/20 08:15	03/13/20 17:24	156-60-5	W
trans-1,3-Dichloropropene	<100	ug/kg	296	100	4	03/13/20 08:15	03/13/20 17:24	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		4	03/13/20 08:15	03/13/20 17:24	1868-53-7	
Toluene-d8 (S)	113	%	64-134		4	03/13/20 08:15	03/13/20 17:24	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-126		4	03/13/20 08:15	03/13/20 17:24	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	21.7	%	0.10	0.10	1		03/13/20 17:32		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C4 (18-19) **Lab ID: 40204537008** Collected: 03/09/20 11:55 Received: 03/11/20 09:15 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	03/13/20 08:15	03/13/20 15:41	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	03/13/20 08:15	03/13/20 15:41	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	03/13/20 08:15	03/13/20 15:41	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	03/13/20 08:15	03/13/20 15:41	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	03/13/20 08:15	03/13/20 15:41	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 15:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 15:41	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 15:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	03/13/20 08:15	03/13/20 15:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	03/13/20 08:15	03/13/20 15:41	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	03/13/20 08:15	03/13/20 15:41	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	03/13/20 08:15	03/13/20 15:41	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	03/13/20 08:15	03/13/20 15:41	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	03/13/20 08:15	03/13/20 15:41	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	03/13/20 08:15	03/13/20 15:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	03/13/20 08:15	03/13/20 15:41	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	03/13/20 08:15	03/13/20 15:41	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	100-42-5	W

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C4 (18-19) **Lab ID: 40204537008** Collected: 03/09/20 11:55 Received: 03/11/20 09:15 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							
Tetrachloroethene	6320	ug/kg	156	46.8	1	03/13/20 08:15	03/13/20 15:41	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	108-88-3	W
Trichloroethene	51.4J	ug/kg	72.5	30.2	1	03/13/20 08:15	03/13/20 15:41	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	03/13/20 08:15	03/13/20 15:41	1330-20-7	W
cis-1,2-Dichloroethene	394	ug/kg	72.5	30.2	1	03/13/20 08:15	03/13/20 15:41	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	03/13/20 08:15	03/13/20 15:41	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	03/13/20 08:15	03/13/20 15:41	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	03/13/20 08:15	03/13/20 15:41	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 15:41	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:41	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 15:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 15:41	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	03/13/20 08:15	03/13/20 15:41	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	03/13/20 08:15	03/13/20 15:41	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-146		1	03/13/20 08:15	03/13/20 15:41	1868-53-7	
Toluene-d8 (S)	118	%	64-134		1	03/13/20 08:15	03/13/20 15:41	2037-26-5	
4-Bromofluorobenzene (S)	104	%	54-126		1	03/13/20 08:15	03/13/20 15:41	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.3	%	0.10	0.10	1		03/13/20 17:32		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204537

Sample: C5 (14-15) **Lab ID: 40204537009** Collected: 03/09/20 12:25 Received: 03/11/20 09:15 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	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	630-20-6	W
1,1,1-Trichloroethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	71-55-6	W
1,1,2,2-Tetrachloroethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	79-34-5	W
1,1,2-Trichloroethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	79-00-5	W
1,1-Dichloroethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	75-34-3	W
1,1-Dichloroethene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	75-35-4	W
1,1-Dichloropropene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	563-58-6	W
1,2,3-Trichlorobenzene	<237	ug/kg	790	237	5	03/13/20 08:15	03/13/20 17:07	87-61-6	W
1,2,3-Trichloropropane	<187	ug/kg	625	187	5	03/13/20 08:15	03/13/20 17:07	96-18-4	W
1,2,4-Trichlorobenzene	<208	ug/kg	1250	208	5	03/13/20 08:15	03/13/20 17:07	120-82-1	W
1,2,4-Trimethylbenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	95-63-6	W
1,2-Dibromo-3-chloropropane	<1180	ug/kg	3940	1180	5	03/13/20 08:15	03/13/20 17:07	96-12-8	W
1,2-Dibromoethane (EDB)	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	106-93-4	W
1,2-Dichlorobenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	95-50-1	W
1,2-Dichloroethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	107-06-2	W
1,2-Dichloropropane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	78-87-5	W
1,3,5-Trimethylbenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	108-67-8	W
1,3-Dichlorobenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	541-73-1	W
1,3-Dichloropropane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	142-28-9	W
1,4-Dichlorobenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	106-46-7	W
2,2-Dichloropropane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	594-20-7	W
2-Chlorotoluene	<125	ug/kg	320	125	5	03/13/20 08:15	03/13/20 17:07	95-49-8	W
4-Chlorotoluene	<125	ug/kg	320	125	5	03/13/20 08:15	03/13/20 17:07	106-43-4	W
Benzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	71-43-2	W
Bromobenzene	<125	ug/kg	310	125	5	03/13/20 08:15	03/13/20 17:07	108-86-1	W
Bromochloromethane	<125	ug/kg	350	125	5	03/13/20 08:15	03/13/20 17:07	74-97-5	W
Bromodichloromethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	75-27-4	W
Bromoform	<125	ug/kg	360	125	5	03/13/20 08:15	03/13/20 17:07	75-25-2	W
Bromomethane	<319	ug/kg	1250	319	5	03/13/20 08:15	03/13/20 17:07	74-83-9	W
Carbon tetrachloride	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	56-23-5	W
Chlorobenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	108-90-7	W
Chloroethane	<232	ug/kg	1250	232	5	03/13/20 08:15	03/13/20 17:07	75-00-3	W
Chloroform	<238	ug/kg	1250	238	5	03/13/20 08:15	03/13/20 17:07	67-66-3	W
Chloromethane	<125	ug/kg	400	125	5	03/13/20 08:15	03/13/20 17:07	74-87-3	W
Dibromochloromethane	<1140	ug/kg	3820	1140	5	03/13/20 08:15	03/13/20 17:07	124-48-1	W
Dibromomethane	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	74-95-3	W
Dichlorodifluoromethane	<125	ug/kg	360	125	5	03/13/20 08:15	03/13/20 17:07	75-71-8	W
Diisopropyl ether	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	108-20-3	W
Ethylbenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	100-41-4	W
Hexachloro-1,3-butadiene	<344	ug/kg	1140	344	5	03/13/20 08:15	03/13/20 17:07	87-68-3	W
Isopropylbenzene (Cumene)	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	98-82-8	W
Methyl-tert-butyl ether	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	1634-04-4	W
Methylene Chloride	<131	ug/kg	440	131	5	03/13/20 08:15	03/13/20 17:07	75-09-2	W
Naphthalene	<136	ug/kg	455	136	5	03/13/20 08:15	03/13/20 17:07	91-20-3	W
Styrene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Trace Project No.: 40204537

Sample: C5 (14-15) **Lab ID: 40204537009** Collected: 03/09/20 12:25 Received: 03/11/20 09:15 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							
Tetrachloroethene	42300	ug/kg	779	234	5	03/13/20 08:15	03/13/20 17:07	127-18-4	
Toluene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	108-88-3	W
Trichloroethene	3390	ug/kg	362	151	5	03/13/20 08:15	03/13/20 17:07	79-01-6	
Trichlorofluoromethane	<125	ug/kg	325	125	5	03/13/20 08:15	03/13/20 17:07	75-69-4	W
Vinyl chloride	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	75-01-4	W
Xylene (Total)	<375	ug/kg	900	375	5	03/13/20 08:15	03/13/20 17:07	1330-20-7	W
cis-1,2-Dichloroethene	264J	ug/kg	362	151	5	03/13/20 08:15	03/13/20 17:07	156-59-2	
cis-1,3-Dichloropropene	<211	ug/kg	705	211	5	03/13/20 08:15	03/13/20 17:07	10061-01-5	W
m&p-Xylene	<250	ug/kg	600	250	5	03/13/20 08:15	03/13/20 17:07	179601-23-1	W
n-Butylbenzene	<150	ug/kg	500	150	5	03/13/20 08:15	03/13/20 17:07	104-51-8	W
n-Propylbenzene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	103-65-1	W
o-Xylene	<125	ug/kg	300	125	5	03/13/20 08:15	03/13/20 17:07	95-47-6	W
p-Isopropyltoluene	<125	ug/kg	360	125	5	03/13/20 08:15	03/13/20 17:07	99-87-6	W
sec-Butylbenzene	<125	ug/kg	360	125	5	03/13/20 08:15	03/13/20 17:07	135-98-8	W
tert-Butylbenzene	<125	ug/kg	310	125	5	03/13/20 08:15	03/13/20 17:07	98-06-6	W
trans-1,2-Dichloroethene	<125	ug/kg	335	125	5	03/13/20 08:15	03/13/20 17:07	156-60-5	W
trans-1,3-Dichloropropene	<125	ug/kg	370	125	5	03/13/20 08:15	03/13/20 17:07	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		5	03/13/20 08:15	03/13/20 17:07	1868-53-7	
Toluene-d8 (S)	111	%	64-134		5	03/13/20 08:15	03/13/20 17:07	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-126		5	03/13/20 08:15	03/13/20 17:07	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.2	%	0.10	0.10	1		03/13/20 17:32		

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C5 (12-13) **Lab ID: 40204537010** Collected: 03/09/20 13:30 Received: 03/11/20 09:15 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	03/13/20 08:15	03/13/20 13:07	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	03/13/20 08:15	03/13/20 13:07	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	03/13/20 08:15	03/13/20 13:07	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	03/13/20 08:15	03/13/20 13:07	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	03/13/20 08:15	03/13/20 13:07	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 13:07	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	03/13/20 08:15	03/13/20 13:07	106-43-4	W
Benzene	51.9J	ug/kg	70.6	29.4	1	03/13/20 08:15	03/13/20 13:07	71-43-2	
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 13:07	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	03/13/20 08:15	03/13/20 13:07	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	03/13/20 08:15	03/13/20 13:07	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	03/13/20 08:15	03/13/20 13:07	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	03/13/20 08:15	03/13/20 13:07	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	03/13/20 08:15	03/13/20 13:07	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	03/13/20 08:15	03/13/20 13:07	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	108-20-3	W
Ethylbenzene	43.3J	ug/kg	70.6	29.4	1	03/13/20 08:15	03/13/20 13:07	100-41-4	
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	03/13/20 08:15	03/13/20 13:07	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	03/13/20 08:15	03/13/20 13:07	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	03/13/20 08:15	03/13/20 13:07	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Sample: C5 (12-13) **Lab ID: 40204537010** Collected: 03/09/20 13:30 Received: 03/11/20 09:15 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							
Tetrachloroethene	599	ug/kg	152	45.6	1	03/13/20 08:15	03/13/20 13:07	127-18-4	
Toluene	74.0	ug/kg	70.6	29.4	1	03/13/20 08:15	03/13/20 13:07	108-88-3	
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	03/13/20 08:15	03/13/20 13:07	1330-20-7	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	03/13/20 08:15	03/13/20 13:07	10061-01-5	W
m&p-Xylene	62.8J	ug/kg	141	58.9	1	03/13/20 08:15	03/13/20 13:07	179601-23-1	
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	03/13/20 08:15	03/13/20 13:07	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	03/13/20 08:15	03/13/20 13:07	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 13:07	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	03/13/20 08:15	03/13/20 13:07	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	03/13/20 08:15	03/13/20 13:07	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	03/13/20 08:15	03/13/20 13:07	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	03/13/20 08:15	03/13/20 13:07	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	57-146		1	03/13/20 08:15	03/13/20 13:07	1868-53-7	
Toluene-d8 (S)	115	%	64-134		1	03/13/20 08:15	03/13/20 13:07	2037-26-5	
4-Bromofluorobenzene (S)	103	%	54-126		1	03/13/20 08:15	03/13/20 13:07	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.1	%	0.10	0.10	1		03/13/20 17:33		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

QC Batch: 349932 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40204537001, 40204537002, 40204537003, 40204537004, 40204537005, 40204537006, 40204537007, 40204537008, 40204537009, 40204537010

METHOD BLANK: 2027268 Matrix: Solid
 Associated Lab Samples: 40204537001, 40204537002, 40204537003, 40204537004, 40204537005, 40204537006, 40204537007, 40204537008, 40204537009, 40204537010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	03/13/20 10:51	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	03/13/20 10:51	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	03/13/20 10:51	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	03/13/20 10:51	
1,1-Dichloroethane	ug/kg	<13.5	50.0	03/13/20 10:51	
1,1-Dichloroethene	ug/kg	<11.8	50.0	03/13/20 10:51	
1,1-Dichloropropene	ug/kg	<10.7	50.0	03/13/20 10:51	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	03/13/20 10:51	
1,2,3-Trichloropropane	ug/kg	<37.4	125	03/13/20 10:51	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	03/13/20 10:51	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	03/13/20 10:51	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	03/13/20 10:51	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	03/13/20 10:51	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	03/13/20 10:51	
1,2-Dichloroethane	ug/kg	<13.8	50.0	03/13/20 10:51	
1,2-Dichloropropane	ug/kg	<13.5	50.0	03/13/20 10:51	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	03/13/20 10:51	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	03/13/20 10:51	
1,3-Dichloropropane	ug/kg	<11.0	50.0	03/13/20 10:51	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	03/13/20 10:51	
2,2-Dichloropropane	ug/kg	<15.7	52.0	03/13/20 10:51	
2-Chlorotoluene	ug/kg	<19.3	64.0	03/13/20 10:51	
4-Chlorotoluene	ug/kg	<19.3	64.0	03/13/20 10:51	
Benzene	ug/kg	<12.5	42.0	03/13/20 10:51	
Bromobenzene	ug/kg	<18.5	62.0	03/13/20 10:51	
Bromochloromethane	ug/kg	<20.9	70.0	03/13/20 10:51	
Bromodichloromethane	ug/kg	<10.0	50.0	03/13/20 10:51	
Bromoform	ug/kg	<21.6	72.0	03/13/20 10:51	
Bromomethane	ug/kg	<63.8	250	03/13/20 10:51	
Carbon tetrachloride	ug/kg	<7.5	50.0	03/13/20 10:51	
Chlorobenzene	ug/kg	<16.8	56.0	03/13/20 10:51	
Chloroethane	ug/kg	<46.4	250	03/13/20 10:51	
Chloroform	ug/kg	<47.5	250	03/13/20 10:51	
Chloromethane	ug/kg	<24.0	80.0	03/13/20 10:51	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	03/13/20 10:51	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	03/13/20 10:51	
Dibromochloromethane	ug/kg	<229	763	03/13/20 10:51	
Dibromomethane	ug/kg	<17.7	59.0	03/13/20 10:51	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	03/13/20 10:51	
Diisopropyl ether	ug/kg	<14.0	50.0	03/13/20 10:51	

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

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET
Pace Project No.: 40204537

METHOD BLANK: 2027268 Matrix: Solid
Associated Lab Samples: 40204537001, 40204537002, 40204537003, 40204537004, 40204537005, 40204537006, 40204537007, 40204537008, 40204537009, 40204537010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	03/13/20 10:51	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	03/13/20 10:51	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	03/13/20 10:51	
m&p-Xylene	ug/kg	<32.4	108	03/13/20 10:51	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	03/13/20 10:51	
Methylene Chloride	ug/kg	<26.3	88.0	03/13/20 10:51	
n-Butylbenzene	ug/kg	<30.0	100	03/13/20 10:51	
n-Propylbenzene	ug/kg	<17.8	59.0	03/13/20 10:51	
Naphthalene	ug/kg	<27.3	91.0	03/13/20 10:51	
o-Xylene	ug/kg	<18.1	60.0	03/13/20 10:51	
p-Isopropyltoluene	ug/kg	<21.7	72.0	03/13/20 10:51	
sec-Butylbenzene	ug/kg	<21.5	72.0	03/13/20 10:51	
Styrene	ug/kg	<12.3	50.0	03/13/20 10:51	
tert-Butylbenzene	ug/kg	<18.7	62.0	03/13/20 10:51	
Tetrachloroethene	ug/kg	<38.7	129	03/13/20 10:51	
Toluene	ug/kg	<13.1	50.0	03/13/20 10:51	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	03/13/20 10:51	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	03/13/20 10:51	
Trichloroethene	ug/kg	<12.8	50.0	03/13/20 10:51	
Trichlorofluoromethane	ug/kg	<19.6	65.0	03/13/20 10:51	
Vinyl chloride	ug/kg	<14.5	50.0	03/13/20 10:51	
Xylene (Total)	ug/kg	<50.5	168	03/13/20 10:51	
4-Bromofluorobenzene (S)	%	93	54-126	03/13/20 10:51	
Dibromofluoromethane (S)	%	99	57-146	03/13/20 10:51	
Toluene-d8 (S)	%	106	64-134	03/13/20 10:51	

LABORATORY CONTROL SAMPLE: 2027269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2500	100	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2790	111	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2770	111	70-130	
1,1-Dichloroethane	ug/kg	2500	2450	98	70-130	
1,1-Dichloroethene	ug/kg	2500	2660	106	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2340	94	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2190	88	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2740	110	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2590	104	70-130	
1,2-Dichloroethane	ug/kg	2500	2900	116	70-134	
1,2-Dichloropropane	ug/kg	2500	2740	110	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
Benzene	ug/kg	2500	2860	115	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

LABORATORY CONTROL SAMPLE: 2027269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/kg	2500	2460	98	70-130	
Bromoform	ug/kg	2500	1890	76	47-115	
Bromomethane	ug/kg	2500	2670	107	64-165	
Carbon tetrachloride	ug/kg	2500	2330	93	70-131	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	3650	146	28-197	
Chloroform	ug/kg	2500	2740	110	80-131	
Chloromethane	ug/kg	2500	2590	103	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2680	107	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2480	99	70-130	
Dibromochloromethane	ug/kg	2500	2180	87	70-130	
Dichlorodifluoromethane	ug/kg	2500	1880	75	38-108	
Ethylbenzene	ug/kg	2500	2690	108	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2630	105	70-130	
m&p-Xylene	ug/kg	5000	5390	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	1980	79	70-130	
Methylene Chloride	ug/kg	2500	3080	123	70-130	
o-Xylene	ug/kg	2500	2680	107	70-130	
Styrene	ug/kg	2500	2750	110	70-130	
Tetrachloroethene	ug/kg	2500	2420	97	70-130	
Toluene	ug/kg	2500	2700	108	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2340	93	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2150	86	70-130	
Trichloroethene	ug/kg	2500	2700	108	70-130	
Trichlorofluoromethane	ug/kg	2500	2830	113	81-141	
Vinyl chloride	ug/kg	2500	2490	100	68-121	
Xylene (Total)	ug/kg	7500	8070	108	70-130	
4-Bromofluorobenzene (S)	%			103	54-126	
Dibromofluoromethane (S)	%			110	57-146	
Toluene-d8 (S)	%			109	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2027270 2027271

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40204537005	Result	Spike Conc.	MSD Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1480	1480	1270	1330	86	90	64-132	4	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1480	1480	1610	1680	109	113	70-132	4	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1480	1480	1570	1630	106	111	70-130	4	20		
1,1-Dichloroethane	ug/kg	<25.0	1480	1480	1360	1420	92	96	70-130	4	20		
1,1-Dichloroethene	ug/kg	<25.0	1480	1480	1350	1400	91	95	65-126	3	21		
1,2,4-Trichlorobenzene	ug/kg	<41.7	1480	1480	1460	1460	99	99	66-139	0	20		
1,2-Dibromo-3-chloropropane	ug/kg	<237	1480	1480	1140	1290	77	87	47-146	12	23		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1480	1480	1520	1610	103	109	70-130	6	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1480	1480	1540	1570	104	106	70-130	2	20		

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QUALITY CONTROL DATA

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Parameter	Units	2027270		2027271		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40204537005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,2-Dichloroethane	ug/kg	<25.0	1480	1480	1640	1710	111	116	70-136	4	20
1,2-Dichloropropane	ug/kg	<25.0	1480	1480	1560	1590	105	108	74-124	2	20
1,3-Dichlorobenzene	ug/kg	<25.0	1480	1480	1510	1520	102	103	70-130	1	20
1,4-Dichlorobenzene	ug/kg	<25.0	1480	1480	1540	1510	104	102	70-130	2	20
Benzene	ug/kg	<25.0	1480	1480	1610	1670	108	112	70-130	3	20
Bromodichloromethane	ug/kg	<25.0	1480	1480	1320	1340	89	91	70-130	2	20
Bromoform	ug/kg	<25.0	1480	1480	1120	1170	76	79	47-129	4	20
Bromomethane	ug/kg	<63.8	1480	1480	1440	1630	97	111	41-180	13	20
Carbon tetrachloride	ug/kg	<25.0	1480	1480	1250	1260	85	85	58-133	1	20
Chlorobenzene	ug/kg	<25.0	1480	1480	1500	1560	102	106	70-130	4	20
Chloroethane	ug/kg	<46.4	1480	1480	1950	1990	132	135	28-197	2	20
Chloroform	ug/kg	<47.5	1480	1480	1550	1590	105	107	80-131	3	20
Chloromethane	ug/kg	<25.0	1480	1480	1110	1180	75	80	26-118	7	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1480	1480	1510	1560	101	105	70-130	4	20
cis-1,3-Dichloropropene	ug/kg	<42.3	1480	1480	1290	1360	87	92	70-130	6	20
Dibromochloromethane	ug/kg	<229	1480	1480	1270	1300	86	88	67-130	2	20
Dichlorodifluoromethane	ug/kg	<25.0	1480	1480	533	544	36	37	12-108	2	29
Ethylbenzene	ug/kg	<25.0	1480	1480	1520	1570	102	105	80-122	3	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1480	1480	1460	1500	99	102	70-130	2	20
m&p-Xylene	ug/kg	<50.0	2950	2950	3080	3130	103	105	70-130	2	20
Methyl-tert-butyl ether	ug/kg	<25.0	1480	1480	1110	1270	75	86	70-130	13	20
Methylene Chloride	ug/kg	<26.3	1480	1480	1700	1760	115	119	70-130	3	20
o-Xylene	ug/kg	<25.0	1480	1480	1510	1540	102	104	70-130	2	20
Styrene	ug/kg	<25.0	1480	1480	1550	1570	105	106	70-130	1	20
Tetrachloroethene	ug/kg	668	1480	1480	1990	2090	89	96	70-130	5	20
Toluene	ug/kg	<25.0	1480	1480	1550	1590	103	106	80-121	3	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1480	1480	1320	1550	90	105	70-130	16	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1480	1480	1180	1230	80	84	70-130	5	20
Trichloroethene	ug/kg	40.3J	1480	1480	1520	1550	100	102	70-130	2	20
Trichlorofluoromethane	ug/kg	<25.0	1480	1480	1420	1450	96	98	60-141	2	26
Vinyl chloride	ug/kg	<25.0	1480	1480	1140	1150	77	78	46-121	1	20
Xylene (Total)	ug/kg	<75.0	4430	4430	4590	4670	103	105	70-130	2	20
4-Bromofluorobenzene (S)	%						109	108	54-126		
Dibromofluoromethane (S)	%						117	118	57-146		
Toluene-d8 (S)	%						117	117	64-134		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: 1690005819 FORMER 1-HOUR VALET

Pace Project No.: 40204537

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40204537001	C1 (20-21)	EPA 5035/5030B	349932	EPA 8260	349934
40204537002	C1 (26-28)	EPA 5035/5030B	349932	EPA 8260	349934
40204537003	C2 (17-18)	EPA 5035/5030B	349932	EPA 8260	349934
40204537004	C2 (29-30)	EPA 5035/5030B	349932	EPA 8260	349934
40204537005	C3 (15-16)	EPA 5035/5030B	349932	EPA 8260	349934
40204537006	C3 (18-19)	EPA 5035/5030B	349932	EPA 8260	349934
40204537007	C4 (14-15)	EPA 5035/5030B	349932	EPA 8260	349934
40204537008	C4 (18-19)	EPA 5035/5030B	349932	EPA 8260	349934
40204537009	C5 (14-15)	EPA 5035/5030B	349932	EPA 8260	349934
40204537010	C5 (12-13)	EPA 5035/5030B	349932	EPA 8260	349934
40204537001	C1 (20-21)	ASTM D2974-87	349984		
40204537002	C1 (26-28)	ASTM D2974-87	349984		
40204537003	C2 (17-18)	ASTM D2974-87	349984		
40204537004	C2 (29-30)	ASTM D2974-87	349984		
40204537005	C3 (15-16)	ASTM D2974-87	349984		
40204537006	C3 (18-19)	ASTM D2974-87	349987		
40204537007	C4 (14-15)	ASTM D2974-87	349987		
40204537008	C4 (18-19)	ASTM D2974-87	349987		
40204537009	C5 (14-15)	ASTM D2974-87	349987		
40204537010	C5 (12-13)	ASTM D2974-87	349987		

REPORT OF LABORATORY ANALYSIS

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 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 #: _____

Client Name: Ramboll
 Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

WO# : 40204537



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 - 9 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: 2.1 / Corr: 2.1
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 3-11-20
 Initials: BTC

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>3-11-20 BR</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No page number, mail information</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: 3/11/2020

APPENDIX H

SOIL VAPOR LABORATORY ANALYTICAL REPORT

August 26, 2019

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

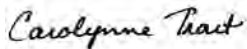
RE: Project: 1690005819-001 FORMER ONE HOUR
Pace Project No.: 10488042

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 2019. 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,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Paul Lindquist, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

Minnesota Certification IDs

1700 Elm Street SE, 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 DW Certification #: MN00064

Arkansas WW 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

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1690005819-001 FORMER ONE HOUR
Pace Project No.: 10488042

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10488042001	SG-01-20190815	Air	08/15/19 16:17	08/19/19 11:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10488042001	SG-01-20190815	TO-15	NCK	4

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

Method: TO-15

Description: TO15 MSV AIR

Client: Ramboll Environ- WI AIR

Date: August 26, 2019

General Information:

1 sample was analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

Sample: SG-01-20190815 **Lab ID: 10488042001** Collected: 08/15/19 16:17 Received: 08/19/19 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.42	ug/m3	1.5	0.42	1.92		08/23/19 01:03	156-59-2	
Tetrachloroethene	10.4	ug/m3	1.3	0.60	1.92		08/23/19 01:03	127-18-4	
Trichloroethene	<0.49	ug/m3	1.0	0.49	1.92		08/23/19 01:03	79-01-6	
Vinyl chloride	<0.24	ug/m3	0.50	0.24	1.92		08/23/19 01:03	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

QC Batch: 627893 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10488042001

METHOD BLANK: 3387974 Matrix: Air

Associated Lab Samples: 10488042001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	08/22/19 10:35	
Tetrachloroethene	ug/m3	<0.31	0.69	08/22/19 10:35	
Trichloroethene	ug/m3	<0.26	0.55	08/22/19 10:35	
Vinyl chloride	ug/m3	<0.13	0.26	08/22/19 10:35	

LABORATORY CONTROL SAMPLE: 3387975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	44.2	110	70-130	
Tetrachloroethene	ug/m3	68.9	74.8	108	70-130	
Trichloroethene	ug/m3	54.6	59.1	108	70-130	
Vinyl chloride	ug/m3	26	29.8	115	70-130	

SAMPLE DUPLICATE: 3388976

Parameter	Units	10487102001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.34	<0.34			25
Tetrachloroethene	ug/m3	<0.49	<0.49			25
Trichloroethene	ug/m3	<0.40	<0.40			25
Vinyl chloride	ug/m3	<0.20	<0.20			25

SAMPLE DUPLICATE: 3388977

Parameter	Units	10487518005 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.35			25
Tetrachloroethene	ug/m3	38.4	37.1	3		25
Trichloroethene	ug/m3	ND	<0.41			25
Vinyl chloride	ug/m3	ND	<0.20			25

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

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QUALIFIERS

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819-001 FORMER ONE HOUR

Pace Project No.: 10488042

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10488042001	SG-01-20190815	TO-15	627893		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

WO#: 10488042



46139

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: RAMBOLL		Report To: SPECTROFSKE PRAMBOLL		Attention: ACCOUNTS PAYABLE	
Address: 175 N CORPORATE DR STE 166, BROOKFIELD WI		Copy To: PLINDQUIST@RAMBOLL		Company Name: RAMBOLL	
Email To: plindquist@RAMBOLL.COM		Purchase Order No.:		Address:	
Phone: plindquist@RAMBOLL.COM		Project Name: FORMER ONE-HOUR		Pace Quote Reference:	
Requested Due Date/TAT: STANDARD		Project Number: 169005819-601		Pace Project Manager/Sales Rep: MIKE DEW	
				Pace Profile #: 40343	

Program	
<input type="checkbox"/> UST	<input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act
<input type="checkbox"/> Voluntary Clean Up	<input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Location of Sampling by State	Reporting Units ug/m ³ mg/m ³ PPBV PPMV Other
Report Level: II, III, IV, Other	

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tediator Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:							Pace Lab ID				
					COMPOSITE START		COMPOSITE - END/GRAB						PM10	3c - Fixed Gas (%)	To-3 BTEX	To-3M (Methane)	To-14	To-15 Full List VOCs	To-15 Short List BTEX		To-15 Short List Chlorinated			
					DATE	TIME	DATE	TIME																
1	SG-01-20190815		6LC 0.6		8/15/19	1546	1617	8/15/19	29	7.5	3 6 2 3	1 6 8 7									X	001		
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Comments:	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
	<i>Paul Lindquist</i>	8/15/19	1640	FEDEX <i>WJOK</i> Pace	8/16/19	11:45	-	Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	PAUL LINDQUIST				
SIGNATURE of SAMPLER:	<i>Paul Lindquist</i>				
	DATE Signed (MM/DD/YY)				
	08/15/2019				



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.18

Document Revised: 31Jan2019
Page 1 of 1
Issuing Authority:

WO#: 10488042

PM: CT1 Due Date: 08/26/19
CLIENT: Ramboll-WI

Air Sample Condition Upon Receipt

Client Name: Ramboll

Project #:

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

Tracking Number: 7391 8877 3709

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

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

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

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: WD 8/20/19

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized (3C and ASTM 1946 DO NOT PRESSURIZE)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Samples Received:					Pressure Gauge # <input type="checkbox"/> 10AIR34 <input checked="" type="checkbox"/> 10AIR35				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
59-01 2019 0815	3637	1687							
59-01 2019 0815	3623	1687	-9	+5					

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Paul Lindquist

Date/Time: 8/21/19

Field Data Required? Yes No

Comments/Resolution: Analyte list TCE, PCE, cis 1,2 DCE, VC

Project Manager Review:

Carolynne Hunt

Date: 8/21/19

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