GROUNDWATER SAMPLING IN SUPPORT OF THE STATEMENT OF BASIS
PPG – OAK CREEK, WISCONSIN FACILITY

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List of Acronyms & Abbreviations

AS	air sparging
bgs	below ground surface
C.M. Lavoie	C.M. Lavoie & Associates, Inc.
CB&I	CB&I Environmental & Infrastructure, Inc.
Facility	PPG Oak Creek facility
GC/MS	gas chromatography/mass spectrometry
GPRS	Ground Penetrating Radar Systems, Inc.
MCL	maximum contaminant level
MS/MSD	matrix spike/matrix spike duplicate
On-Site	On-Site Environmental Services, Inc.
ORP	oxidation-reduction potential
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RPD	relative percent difference
SVE	soil vapor extraction
SVOC	semivolatile organic compounds
SWMU	solid waste management unit
TFA	Tank Farm Area
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
WAC	Wisconsin Administrative Code

1.0 Introduction

This report presents a summary of the field activities conducted at the former Tank Farm Area (TFA) at the PPG Oak Creek facility (Facility) located in Oak Creek, Wisconsin. Before finalizing the Statement of Basis for the Facility, the U.S. Environmental Protection Agency (USEPA) requested that PPG conduct a groundwater sampling event to define current groundwater quality and groundwater flow conditions at the former TFA. As part of the effort to define current conditions at the site, several existing monitoring wells were abandoned, repaired, or replaced prior to collecting groundwater samples. These activities were completed in conformance with the approved Groundwater Monitoring Work Plan (CB&I Environmental & Infrastructure, Inc. [CB&I], 2016a). Field activities at the site began on October 3, 2016 and were completed on October 6, 2016. An additional round of groundwater elevation data was collected on October 17, 2016.

Work completed included the following:

- Replacement of Monitoring Well MW-10, which was removed in December 2013
- Replacement of damaged wells (MW-11 and MW-16) identified during the April 11, 2016 field inspection conducted by CB&I
- Installation of a monitoring well (MW-9R) south of the former TFA in the general area of former Monitoring Well MW-9 as requested by the USEPA
- Completion of a single round of groundwater monitoring (including both groundwater elevation and sample collection) to define the current conditions with regard to groundwater quality, groundwater flow direction, and groundwater elevations at the Facility

2.0 Facility History and Background

The Facility is located at 10800 South 13th Street in Oak Creek, Wisconsin (Figure 1). The Facility covers approximately 51 acres, of which the former TFA comprises approximately 7.0 acres. Figure 2 provides the general site layout of the Facility. The Facility was constructed between 1973 and 1975 (construction was completed in December 1975). The major components of the Facility include a resin plant, a paint production plant, the former TFA that supported production, and a former impoundment basin. Administrative buildings, laboratories, raw materials, and finished goods warehouses are also located at the Facility. The Facility is currently operational and its processes involve primarily those associated with paint production. PPG has no current plans to change or cease operations at the Facility.

The former TFA is located in the southeastern portion of the Facility. The historical use of this area was for bulk solvent, organic acid, and raw materials storage. The former TFA contained both underground storage tanks (USTs) and aboveground storage tanks, all of which have been closed in accordance with State of Wisconsin regulations. During construction of the former TFA, a physical drainage system was designed and installed to create a depression in the groundwater potentiometric surface so that any materials leached to groundwater around the storage tanks would be collected and sent to the local public treatment works with other discharged water. The under-drain system was deactivated in the fall of 2006 and is currently inactive.

The Facility is subject to the regulations promulgated under the Resource Conservation and Recovery Act (RCRA). On March 31, 1992, the USEPA issued a RCRA Permit (EPA ID WID 059972935) to the Facility, which required PPG to conduct a RCRA Facility Investigation (RFI) at 10 solid waste management units (SWMUs). The RFI Report was submitted to USEPA in August of 1997. In July 1998, the USEPA granted conditional approval of the RFI Report. The condition of the approval required that PPG initiate corrective measures by proceeding with the closure of the former TFA in accordance with applicable Wisconsin UST closure guidelines and implementing a presumptive remedy. In February/March 1999, PPG removed 23 of the 40 USTs and closed the remaining 17 USTs in place with Wisconsin Department of Commerce approval. On September 25, 2000, USEPA formally approved the RFI Report.

With USEPA's approval of the RFI Report, all corrective action requirements were met for 8 of the 10 SWMUs. The 2 remaining SWMUs (Nos. 8 and 18), which comprise the former TFA, were the focus of a presumptive remedy implementation. The presumptive remedy selected for the former TFA involved soil vapor extraction (SVE), which is commonly used as a presumptive remedy. Air sparging (AS) was conducted concurrently with SVE (SVE/AS) to enhance remediation of the groundwater. The operation of the SVE/AS system effectively removed approximately 6,900 pounds of volatile organic compounds (VOCs) from soil and groundwater

beneath the former TFA. As a result of operational changes at the Facility, PPG elected not to renew the Facility's RCRA permit and received closure notice for the permit on June 30, 2004. From the beginning of 2004 through September 2011, PPG voluntarily monitored groundwater quality semiannually.

At the request of the USEPA, a site visit was conducted on April 11, 2016 so that project staff could acquire a better understanding of the site layout. Representatives from USEPA, PPG, and CB&I attended this site visit. During the site visit, project plans as well as the anticipated schedule for the Statement of Basis were discussed. Following the site visit (also occurring on April 11, 2016), a field inspection of the existing monitoring well network was conducted by CB&I personnel in an effort to evaluate the condition of the site monitoring wells. After the site visit, the USEPA requested that PPG conduct an additional round of groundwater sampling to assess the current conditions at the Facility so that USEPA may move forward with finalizing the Statement of Basis. The Statement of Basis will document the success of the remedy completed at the former TFA (i.e., SWMU Nos. 8 and 18) and will assist in determining what additional actions, if any, are required for the Facility.

3.0 Field Activities

The following sections provide a summary of the recent field activities completed at the Facility in October 2016. All activities were performed in accordance with the approved Groundwater Monitoring Work Plan (CB&I, 2016a) and the approved Quality Assurance Project Plan (CB&I, 2016b).

Variances from the Work Plan

The following variances from the approved Work Plan occurred during the field activities:

1) Monitoring Well TW-6, in the northwest corner of the facility, was not able to be located. Therefore, this well could not be abandoned in accordance with the approved Work Plan.

2) Monitoring Well MW-12 has an obstruction, likely caused by a kink in the polyvinyl chloride (PVC) well casing that was discovered when the well was being prepared for redevelopment. Water levels are able to be gauged; however, when the pumps were attempted to be lowered into the well for redevelopment and sampling purposes, the pumps could not be lowered past the obstruction. Monitoring Well MW-12 was not redeveloped, nor was it purged and sampled as proposed by the Work Plan. However, water level data obtained from this monitoring well are deemed of sufficient quality for use with developing the groundwater elevation contour map.

3) Monitoring Well MW-14 was purged and sampled to replace the samples not able to be collected from Monitoring Well MW-12. This well is approximately 90 feet to the west-southwest on Monitoring Well MW-12 and is appropriate for use in determining groundwater quality in this general area of the former TFA.

4) New replacement Monitoring Well MW-10R does not produce water as quickly as most site wells. During development, this well went dry and recharged at a very slow rate. When the groundwater sample from this well location was collected, sufficient groundwater for filling the VOC vials was obtained, but the semivolatile organic compound (SVOC) and metals bottles were unable to be collected. Therefore, this well only has sample results available for VOCs, as no SVOC or metals sample could be collected as proposed by the Work Plan.

3.1 Monitoring Well Abandonment

During the April 11, 2016 site visit and inspection, several damaged monitoring wells were identified in the existing monitoring well network. On October 4, 2016, On-Site Environmental Services, Inc. (On-Site), under the direction of CB&I, abandoned the following former TFA monitoring wells with gravity-fed 3/8-inch bentonite chips in accordance with State of Wisconsin regulations:

- LP-2
- LW-2
- LW-6
- MW-11
- MW-15
- MW-16

Additionally, three monitoring wells were identified outside of the former TFA that are no longer needed for monitoring groundwater conditions. These wells were also abandoned with gravity-fed 3/8-inch bentonite chips according to State of Wisconsin regulations:

- TW-1
- TW-5
- TW-7

A fourth well (TW-6) was planned to be abandoned; however, the well could not be located. The area where the well was supposed to be located, as indicated on historical site maps, is an open mowed grass area in the northeast portion of the Facility, between a parking lot and South 13th Street (see Figure 2 for location). After an extensive search of the area, no sign of the well could be identified. It is assumed that the well was destroyed during landscaping activities.

Monitoring well abandonment forms for all wells abandoned are included in Appendix A-1.

3.2 Well Repairs (LP-3)

During the April 11, 2016 site visit and inspection, the well box for Monitoring Well LP-3 could not be opened. The well box consists of an older flush-mount well box with a rotating-style lid. On October 4, 2016, On-Site, under the direction of CB&I, was able to remove the lid and clean out the existing well box. After excess soil and bentonite were removed, the well cover functioned normally and it was able to be kept in use.

3.3 Monitoring Well Installation

Four new monitoring wells (identified below) were installed to replace the existing damaged wells in the former TFA. Well locations are shown on Figure 2.

- MW-9R was installed in the area of previously abandoned Monitoring Well MW-9 at the request of the USEPA.
- MW-10R was installed in the area of previously abandoned Monitoring Well MW-10.
- MW-11R was installed to replace MW-11 which was abandoned in October 2016 due to frost heave damage.

- MW-16R was installed to replace MW-16 which was abandoned in October 2016 due to frost heave damage.

Prior to drilling, Digger's Hotline was contacted to field locate utilities in the areas planned for intrusive work. Additionally, Ground Penetrating Radar Systems, Inc. (GPRS) was contracted to locate privately held utilities in the area of monitoring well installation. GPRS cleared an approximately 400-square-foot area around each monitoring well location utilizing a 400-megahertz ground penetrating radar antenna and an RD7000/8000 Radio Frequency Detector and marked any detected anomalies.

The new wells were installed on October 3, 2016 using a hollow-stem auger drill rig operated by On-Site, with oversight provided by CB&I. The wells were drilled after reviewing the soil profiles that had been previously logged during the installation of the original wells. The boring logs are presented in Appendix A-2. The boring logs include the soil classifications and descriptions for the original wells as no soil samples were collected during the installation of the replacement wells.

Based on the existing information of the water table on site, wells were installed to approximately 15 feet below ground surface (bgs) with a 10-foot screen within the interval from 5 feet to 15 feet bgs. A 2-inch-diameter PVC riser was installed to bring the wells above ground surface for completion. All wells were completed with steel stand pipes above grade, and steel bollards were installed to protect the wells from damage. Monitoring well completion details are included on the boring logs presented in Appendix A-2.

The original Monitoring Well MW-10 was installed at a total depth of 25 feet bgs with a screened interval from 15 to 25 feet bgs. Groundwater elevation data from 2004 to 2011 indicated that the water table was located above the top of the screened interval in this original well; therefore, MW-10R was installed with a total depth of 15 feet bgs similar to the other replacement wells. During the hollow-stem auger drilling, it was noted that the drill rate was very slow as the native material consisted of very tight clay material (also evident in the cuttings). After completion of the well, there was minimal water in the casing due to the nature of the native clay material in which the well was completed.

3.4 Surveying

On October 5, 2016, C.M. Lavoie & Associates, Inc. (C.M. Lavoie) of Plainfield, Illinois, surveyed the monitoring well network including the newly installed monitoring wells (Figure 2). Wells were located in the horizontal plane based on the Wisconsin State Plane System, and elevations were measured to record the ground surface elevation and the top of PVC casing elevation for each well. A survey summary is included in Table 1 and the survey map generated by C.M. Lavoie is included in Appendix B.

3.5 Monitoring Well Development

No sooner than 24 hours after completion, the new monitoring wells (MW-9R, MW-10R, MW-11R, and MW-16R) were developed by On-Site in accordance with Wisconsin Administrative Code (WAC) Chapter NR 141 using a submersible pump and dedicated tubing. The pump was decontaminated between each well. Decontamination procedures included washing all potentially impacted equipment with a solution of Alconox wash water, followed by a rinse with deionized water. Additionally, the existing monitoring wells were redeveloped, as sampling had not occurred since 2011. CB&I personnel redeveloped these wells by surging and purging with disposable hand bailers. The bailers were used once (dedicated to each well) and disposed of after use. Monitoring well development forms are included in Appendix A-3.

It is worth noting that Monitoring Well MW-12 was planned to be redeveloped and sampled, as presented in the approved Work Plan (CB&I, 2016a). However, during the groundwater redevelopment phase of the field work, it was determined that this well had an obstruction (likely a bend in the casing) that prevented the bailer from descending to the groundwater surface. The well could not be redeveloped; however, the water level measurement probe was able to be lowered into the well to gauge the groundwater elevation.

3.6 Groundwater Monitoring

One round of groundwater monitoring and subsequent groundwater samples were collected from the monitoring well network at the former TFA on October 5 and 6, 2016. A bladder pump with disposable tubing and disposable bladders was used to purge and sample the wells in accordance with Wisconsin groundwater monitoring well requirements set forth in WAC Chapter NR 141.

As discussed in Section 3.5, Monitoring Well MW-12 has an obstruction which prevented redevelopment or sampling of this monitoring well. In lieu of collecting a groundwater sample from Monitoring Well MW-12, Monitoring Well MW-14 (located approximately 90 feet to the west-southwest of MW-12) was sampled to monitor groundwater quality in this area of the former TFA. Groundwater elevations were still collected from Monitoring Well MW-12 and are considered usable for purposes of monitoring groundwater elevations.

Prior to sample collection, groundwater levels and geochemical parameters including temperature, dissolved oxygen, pH, oxidation-reduction potential (ORP), specific conductivity, and turbidity were measured with a YSI Pro Digital Sampling System meter and recorded for each well. Approximately three well volumes of water were purged from each monitoring well, and geochemical parameters were recorded on field sheets. Once the geochemical indicator parameters had stabilized, samples were collected. Field duplicate samples were collected from Monitoring Wells TF-1 and TF-2 and recorded as TF-10 and TF-20, respectively. A summary of the

groundwater geochemical indicator parameters is provided in Table 2. Groundwater sample collection logs are provided in Appendix A-4.

Groundwater samples, once collected and labeled, were placed in laboratory supplied containers and submitted to Pace Analytical Services, LLC in Green Bay, Wisconsin, for laboratory analysis of VOCs, amended SVOCs limited to phthalate compounds, and RCRA 8 metals. A chain-of-custody form, which identifies the samples collected and provides the requisite analyses for each sample, among other data, is provided in Appendix A-5. Metals samples were filtered prior to preservation. Sample containers, preservation methods, and storage procedures followed requirements for the respective analytical methods as discussed in the approved QAPP (CB&I, 2016b). The bladder pump was completely disassembled and decontaminated between wells.

It is worth noting that all groundwater samples were submitted for analysis of VOCs, amended SVOCs limited to phthalates, and RCRA 8 metals, as discussed above, except for the sample collected from MW-10R. As noted in the development log, Monitoring Well MW-10R was purged dry. During groundwater sampling, the well was purged dry and allowed to recover prior to sampling. Upon sampling, only enough groundwater to fill the VOC vials could be collected on October 5. The well was allowed to recover overnight, and on October 6, the well did not have sufficient water for SVOCs and metals sample collection. Therefore, only VOCs were collected and analyzed from this monitoring well.

A summary of the detected constituents in groundwater is presented on Table 3, and detected constituents are posted on Figure 3. A groundwater elevation map based on elevation measured on October 17, 2016 is included on Figure 4 with the direction of groundwater flow indicated.

3.7 Free Product (Monitoring Well TF-3 Details)

Monitoring Well TF-3 has a history of measurable free product, first confirmed in September 2008. On October 5, 2016, during the gauging of the monitoring well network, groundwater depth measurements collected using an oil/water interface probe indicated that TF-3 contained 0.07 foot of free product. Because there was measureable free product, a groundwater sample was not collected from TF-3. During the additional round of groundwater gauging conducted on October 17, 2016, no measurable free product was observed in Monitoring Well TF-3. It is worth noting that groundwater elevations on October 17, 2016 were slightly higher in Monitoring Well TF-3 as compared to October 5, 2016 (Table 4).

4.0 Results

4.1 Summary of Field Measurements

As discussed in Section 3.6, geochemical field indicator parameters including temperature, dissolved oxygen, pH, ORP, specific conductivity, and turbidity were measured and recorded for each well. These indicator parameters, when stabilized, are useful for determining when formation groundwater (not stagnant water within the casing) is being sampled and collection of groundwater samples can proceed. However, ORP readings also provide an indication as to whether active degradation of organic constituents in groundwater is occurring. The groundwater samples from six monitoring wells (LW-5, MW-9R, MW-16R, TF-1, TF-2, and TF-4) each had negative ORP readings, indicating that degradation of organic constituents is likely occurring. Table 2 provides a summary of the geochemical field indicator parameters associated with each of the groundwater samples.

4.2 Analytical Results

As discussed in Section 3.6, groundwater samples were analyzed for VOCs, amended SVOCs limited to phthalate compounds, and RCRA 8 metals. Detected concentrations of these metals were compared to federal maximum contaminant levels (MCLs) to determine if concentrations represent a potential for concern. The WAC Chapter NR 140 Enforcement Standards and Preventative Action Limits are also provided. Table 3 provides a summary of these comparisons. Appendix C-1 provides the laboratory analytical reports and Appendix C-2 provides a hard copy of the electronic data file provided by Pace Analytical Services, LLC. The analytical results indicate the following:

- Phthalate compounds were not detected in any groundwater samples collected from the site.
- Detected constituents were limited to three dissolved metals (arsenic, barium, and chromium) and four VOCs (acetone, isopropylbenzene, vinyl chloride, and xylene [m- and p-]). The VOC chloroethane was detected in the duplicate sample collected from Monitoring Well TF-1 (sample TF-10), but was non-detect in the sample associated with TF-1.
- Dissolved arsenic concentrations ranged from not detected (MW-11R) to 16.2 micro-grams per liter (TF-1).
- Five monitoring well samples exhibited arsenic concentrations greater than the MCL (10 micrograms per liter): TF-1, TF-2, TF-4, LW-5, and MW-16R, with concentrations ranging from 10.7 to 16.2 micrograms per liter.

- Detected concentrations of dissolved barium, dissolved chromium, acetone, isopropylbenzene, vinyl chloride, and xylene (m- and p-) are less than their respective MCLs.

4.3 Data Validation

This section discusses the details associated with the data validation performed on the analytical results. The complete, detailed data validation report is provided in Appendix D.

4.3.1 Organic Parameters

Organic data were reviewed and validated using a combination of project Quality Assurance Project Plan (QAPP) and SW846 method-specific criteria. Quality control (QC) parameters reviewed included:

- Holding time and preservation
- Instrument tune
- Initial and continuing calibration
- Laboratory and field blanks
- Laboratory control sample
- Matrix spike/matrix spike duplicate
- System monitoring compounds
- Internal standards
- Field duplicates

Validation results for each fraction can be summarized as follows.

VOCs

Acetone and 2-butanone had low response factors during the initial and continuing calibrations. The system performance check compounds met criteria, indicating that the gas chromatography/ mass spectrometry (GC/MS) system was operating properly; likewise, the calibration check compounds also met criteria, indicating the integrity of the GC/MS system was intact. The low response factors caused the associated acetone and 2-butanone results to be reported as estimated (indicating a possible low bias to the data). The low response factors were not serious enough to reject the data, which was judged to be usable for its intended purpose.

In addition, several compounds had response factor high percent differences between the initial calibration and the continuing calibration. The high percent differences caused the associated results to be reported as estimated, but the issues were not serious enough to reject the data. All other QC parameters met QAPP and method-specific criteria.

Sample LW-5 was analyzed using a 2.5-times (2.5X) dilution due to a matrix interference (as indicated in the case narrative). The laboratory indicated the presence of a large peak on the associated chromatogram, tentatively identified as n-butanol, that necessitated the dilution. It's worth noting that the identification of the interfering peak is only tentative (based on spectral matching efforts) since the instrument calibration did not include an n-butanol standard. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed using LW-5, and the spike including all target compounds. The recoveries and relative percent differences (RPD) of all target compounds met criteria, indicating that the interfering peak did not hinder target compound identification or quantitation. No data qualification is required.

SVOCs

Internal standards are added to each sample to allow for accurate parameter quantitation. Area counts and retention times for the internal standards must meet given criteria. The internal standards added to sample TF-20 had high area counts, with the resulting semivolatile reported as estimated (with a potential low bias). It should be noted that TF-20 was a field duplicate of TF-2, which had acceptable area counts and produced the same analytical results as TF-20. The low area counts were not serious enough to reject the data, which was judged to be usable for its intended purpose. All other QC parameters met QAPP and method-specific criteria.

Sample LW-5 was analyzed using a 8-times (8X) dilution due to a matrix interference (as indicated in the case narrative). The laboratory indicated the presence of a large peak on the associated chromatogram, tentatively identified as dibutoxy-methanol, that necessitated the dilution. It's worth noting that the identification of the interfering peak is only tentative (based on spectral matching efforts) since the instrument calibration did not include a dibutoxy-methanol standard. The MS/MSD analysis was performed using LW-5, with the spike including all target compounds. The recoveries and RPDs of all target compounds met criteria, indicating that the interfering peak did not hinder target compound identification or quantitation. No data qualification is required.

Sample TF-10 (duplicate sample of TF-1) was analyzed using a 4X dilution due to a matrix interference (as indicated in the case narrative). The laboratory indicated the presence of a large peak on the associated chromatogram, tentatively identified as bisphenol-A, that necessitated the dilution. It's worth noting that the identification of the interfering peak is only tentative (based on spectral matching efforts) since the instrument calibration did not include a bisphenol-A standard. No data qualification is required.

4.3.2 Inorganic Parameters

Metals data were reviewed and validated using a combination of project QAPP and SW846 method-specific criteria. QC parameters reviewed included:

- Holding time and preservation
- Initial and continuing calibration
- ICP interference check
- Laboratory and field blanks
- Laboratory control sample
- Matrix spike/matrix spike duplicate
- Field duplicates

Selenium was detected in the method blank at a concentration similar to the selenium detected in various samples, indicating a possible contamination issue. All of the detected selenium values were raised to the reporting limit and reported as not detected. All other QC parameters met QAPP and method-specific criteria, and the data were judged to be usable for the intended purpose.

4.4 Groundwater Elevations and Groundwater Flow Direction

The October 17, 2016 groundwater elevation data were utilized to construct a groundwater elevation contour map. The groundwater elevation contour map is provided on Figure 4. Based on this monitoring event, the groundwater flow directions associated with the former TFA is to the southeast. North and east of the former TFA, groundwater flow is eastward.

4.5 Findings

- Dissolved arsenic, dissolved barium, dissolved chromium, acetone, isopropylbenzene, vinyl chloride, and xylene (m- and p-) were detected in groundwater samples collected from the former TFA. Chloroethane was detected in one duplicate sample, but not the corresponding sample. All detected constituents except dissolved arsenic were detected at concentrations less than their respective MCLs (note: acetone, chloroethane, and isopropylbenzene do not have MCLs).

- Phthalates were not detected in any groundwater samples from the former TFA.

- Dissolved arsenic concentrations slightly exceeded the MCL (10 micrograms per liter) in samples from five monitoring wells (TF-1, TF-2, TF-4, LW-5, and MW-16R). ORP readings associated with these samples document that reducing conditions exist in these groundwater samples, possibly as a result of ongoing anaerobic biodegradation of chemical constituents (likely petroleum hydrocarbons) in groundwater. This ongoing biodegradation is likely the reason for the elevated (greater than MCLs) arsenic concentrations in groundwater.

- No detected VOCs exceeded available MCLs. As shown on Table 3, all detection limits for the non-detected constituents are less than applicable screening criteria.

- Benzene, toluene, ethylbenzene, and xylene (BTEX) were observed in several former TFA monitoring wells in 2011. BTEX constituents were non-detect based on the 2016 results.

- Free product was measured in Monitoring Well TF-3 on October 5, 2016. However, free product was not observed in the well on October 17, 2016. This information indicates that the level of free product is not sufficient enough to be measurable at all times.

- The groundwater flow direction at the former TFA is primarily to the southeast.

- Recent groundwater elevation data show that the groundwater potentiometric surface is relatively flat in the former TFA, with similar groundwater elevations in Monitoring Wells TF-1, TF-2, TF-3, TF-4, and LW-5 that range from 689.6 to 690.2 feet msl. The low groundwater gradient in the former TFA area serves to depress the potential for migration of constituents in groundwater toward monitoring wells on the site periphery (primarily Monitoring Wells MW-10R, MW-11R, and MW-12).

- The recent data collected at the former TFA suggests that concentrations of constituents are attenuating naturally, as no recent treatment or abatement activities have occurred. Recent VOC data suggest that degradation is likely still ongoing at several well locations (TF-1, TF-2, and TF-4).

5.0 References

CB&I Environmental & Infrastructure, Inc., 2016a. Groundwater Monitoring Work Plan PPG Oak Creek Site Former Tank Farm Area Statement of Basis, Revision 0. August.

CB&I Environmental & Infrastructure, Inc., 2016b. Quality Assurance Project Plan PPG Oak Creek Site Former Tank Farm Area Statement of Basis, Revision 0. August.

Tables

Table 1
Summary of Monitoring Well Survey Information
PPG - Oak Creek, Wisconsin

Monitoring Well Identification	Northing	Easting	Ground Surface Elevation (feet, msl)	Top of Casing Elevation (feet, msl)
LP-3	315998.91	2523889.98	696.35	696.06
LW-3	315994.65	2523889.14	696.30	695.90
LW-5	315903.32	2524191.94	695.42	698.21
MW-9R	315658.78	2523988.47	695.17	697.76
MW-10R	315679.17	2524387.53	692.87	695.27
MW-11R	315956.83	2524419.74	688.78	690.88
MW-12	316321.41	2524440.95	685.33	687.80
MW-13	316133.93	2524437.55	683.69	686.24
MW-14	316077.69	2524266.35	694.03	693.63
MW-16R	316094.69	2524125.69	696.27	698.51
TF-1	315880.83	2524106.30	697.22	699.26
TF-2	315947.76	2524157.80	696.62	698.01
TF-3	315983.47	2523976.98	697.03	699.36
TF-4	315899.45	2523976.66	697.41	699.04

Notes:

Northing and Easting coordinate data are based on the Wisconsin State Plane System, North American Datum of 1983. Elevations are based on North American Vertical Datum of 1988.

msl - mean seal level.

Table 2
Summary of Field Groundwater Geochemical Indicator Parameters
PPG - Oak Creek, Wisconsin

Monitoring Well Identification	Date	pH (SU)	Specific Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Temperature (C)	Dissolved Oxygen (mg/L)
TF-1	10/6/2016	6.69	1.041	-149.7	3.5	16.6	0.10
TF-2	10/6/2016	6.75	1.126	-137.7	16.8	16.6	0.06
TF-4	10/6/2016	6.90	0.646	-137.7	4.7	18.4	0.17
LW-3	10/5/2016	7.42	0.948	74.7	6.4	21.5	5.07
LW-5	10/6/2016	7.24	1.230	-205.1	3.6	18.0	0.15
MW-9R	10/5/2016	7.03	2.515	-119.9	72.6	21.8	0.21
MW-10R	10/5/2016	Well purged dry - no readings available.					
MW-11R	10/5/2016	6.81	5.317	103.2	69.8	15.4	3.70
MW-13	10/5/2016	6.89	1.706	64.9	5.70	15.5	0.53
MW-14	10/5/2016	6.98	2.372	24.6	13.0	18.1	0.46
MW-16R	10/5/2016	7.17	2.389	-77.00	132.5	17.3	0.81

Notes:

°C - degrees Celsius.

mg/L - milligrams per liter.

mS/cm - millisiemens per centimeter.

mV - millivolts.

NTU - Nephelometric turbidity unit.

SU - Standard pH units.

Table 3
Summary of Detected Constituents in Groundwater
PPG - Oak Creek, Wisconsin

Well ID	Sample Date	Constituent (µg/L)							
		Arsenic (dissolved)	Barium (dissolved)	Chromium (dissolved)	Acetone	Chloroethane	Isopropyl-benzene	Vinyl chloride	Xylene (m&p)
	ES/PAL	10/1	2000/400	100/10	9000/1800	400 / 80	NA	0.2/0.02	2000/400
	MCL	10	2000	100	NA	NA	NA	2	10,000
TF-1 / FT-10	10/6/16	**16.2 J / 11.8 J**	115 / 116	2.5 U / 2.5 U	6.0 J / 3.0 U	0.37 U / 0.62 J	0.26 J / 0.34 J	0.18 U / 0.18 U	1.0 U / 1.0 U
TF-2 / TF-20	10/6/16	**13.0 J / 10.6 J**	118 / 117	2.5 U / 2.5 U	3.0 UJ / 3.0 UJ	0.37 U / 0.37 U	13.6 / 12.6	0.28 J / 0.18 U	1.9 J / 1.7 J
TF-4	10/6/16	**12.7 J**	98.1	2.5 U	3.0 UJ	0.37 U	0.20 J	0.18 U	1. 0 U
LW-3	10/5/16	6.6 J	129	2.5 U	3.0 U	0.37 UJ	0.14 U	0.18 U	1. 0 U
LW-5	10/6/16	**10.7 J**	97.8	2.5 U	7.4 U	0.94 UJ	0.36 U	0.44 U	2.5 U
MW-9R	10/5/16	6.5 J	265	2.5 U	3.0 UJ	0.37 U	0.14 U	0.18 U	1. 0 U
MW-10R	10/5/16	Not sampled - well went dry			34.3	0.37 UJ	0.14 U	0.18 U	1. 0 U
MW-11R	10/5/16	5.4 U	152	2.5 U	3.0 U	0.37 UJ	0.14 U	0.18 U	1. 0 U
MW-12	NA	Not sampled - obstructed							
MW-13	10/5/16	7.1 J	145	2.5 U	3.0 U	0.37 UJ	0.14 U	0.18 U	1. 0 U
MW-14	10/5/16	7.1 J	108	3.7 J	3.0 U	0.37 UJ	0.14 U	0.18 U	1. 0 U
MW-16R	10/5/16	**12.0 J**	240	2.5 U	3.0 UJ	0.37 U	0.14 U	0.18 U	1. 0 U

Notes:

1) Concentrations listed are based on validated results as presented in Appendix D.
2) Bolded concentrations are greater than the MCL.

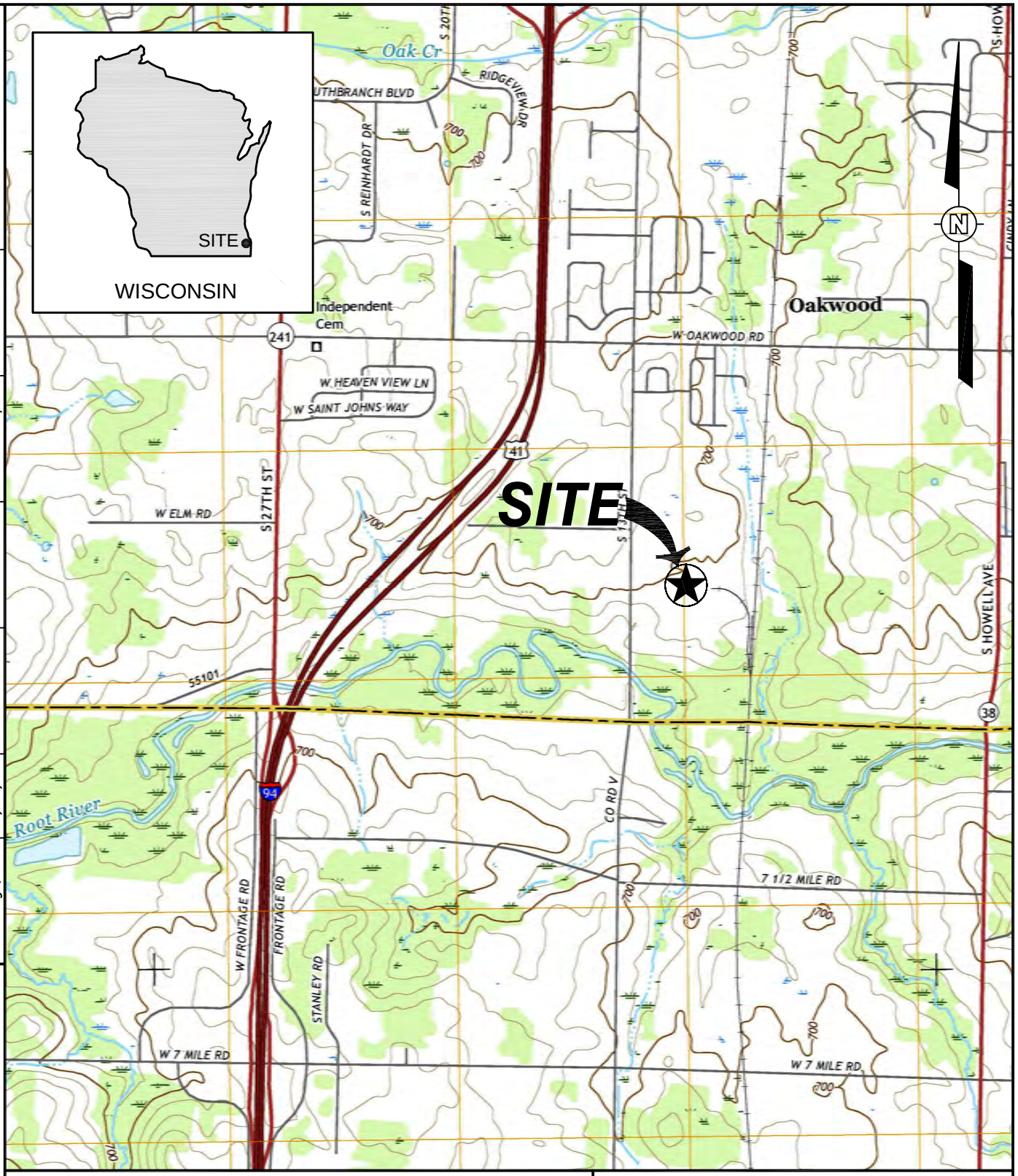
ES - Wisconsin Administrative Code NR 140 - Enforcement Standard.
J - estimated concentration.
MCL - Federal Maximum Contaminant Level.
NA - not available.
PAL - Wisconsin Administrative Code NR 140 - Preventative Action Limit.
U - The constituent was not detected at the concentration provided.
µg/L - micrograms per liter.

Table 4
Summary of Groundwater Elevations
PPG - Oak Creek, Wisconsin

Monitoring Well ID	Ground Elevation (feet, msl)	TOC Elevation (feet, msl)	October 5, 2016			October 17, 2016		
			Depth to Water (feet, bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, msl)	Depth to Water (feet, bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, msl)
LP-3	696.35	696.06	6.93	6.64	689.42	6.74	6.45	689.61
LW-3	696.30	695.90	8.84	8.44	687.46	8.80	8.40	687.50
LW-5	695.42	698.21	5.84	8.64	689.57	5.48	8.28	689.93
MW-9R	695.17	697.76	6.14	8.73	689.03	5.56	8.15	689.61
MW-10R	692.87	695.27	13.81	16.20	679.07	11.16	13.55	681.72
MW-11R	688.78	690.88	2.65	4.75	686.13	2.03	4.13	686.75
MW-12	685.33	687.80	5.40	7.87	679.93	5.16	7.63	680.17
MW-13	683.69	686.24	2.40	4.95	681.29	0.85	3.40	682.84
MW-14	694.03	693.63	5.44	5.04	688.59	5.44	5.04	688.59
MW-16R	696.27	698.51	3.99	6.23	692.28	3.68	5.92	692.59
TF-1	697.22	699.26	7.41	9.45	689.81	7.23	9.27	689.99
TF-2	696.62	698.01	6.66	8.05	689.96	6.45	7.84	690.17
TF-3	697.03	699.36	7.66	9.99	689.37	7.41	9.74	689.62
TF-4	697.41	699.04	7.69	9.32	689.72	7.45	9.08	689.96

Notes:
bgs - below ground surface.
msl - mean seal level.
TOC - top of casing.

Figures



DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	DESIGNED BY	DATE	OFFICE
119637-A3	--	W. Stanhope	B.Faison	--	11/21/16	Pittsburgh, PA

SCALE

0 2000 4000 FEET

REFERENCE:

BASE MAP PREPARED UTILIZING THE U.S.G.S. FRANKSVILLE, WISCONSIN QUADRANGLE, DATED: 2016, SCALE: 1"=10,000'.

500 Penn Center Boulevard, Suite 10
Pittsburgh, PA 15235

PPG
OAK CREEK, WISCONSIN

FIGURE 1

SITE LOCATION MAP

STATEMENT OF BASIS
OAK CREEK, WISCONSIN

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY
119637-B26		–	11/30/16
		W. Stanhope	B. Foison

OFFICE: Pittsburgh, PA

PPG OAK CREEK FACILITY

FORMER TANK FARM AREA

SOUTH 13TH STREET

RAILROAD

TW-6 ◉

TW-5 ◉

TW-7 ◉

TW-1 ◉

LP-3* ◉
LW-3 ◉

TF-3 ◉
LW-2 ◉
TF-2 ◉
LP-2* ◉
TF-4 ◉
LW-5 ◉
TF-1 ◉
LW-6 ◉

MW-13 ◉
MW-12 ◉
MW-16 ◉
MW-15* ◉
MW-16R ◉
MW-14 ◉
MW-11 ◉
MW-11R ◉
MW-10R ◉
MW-9R ◉

LEGEND:

- APPROXIMATE PPG PROPERTY LINE
- LP-3 ◉ EXISTING FORMER TANK FARM AREA GROUNDWATER INTERFACE MONITORING WELL
- TW-6 ◉ MONITORING WELLS ABANDONED IN OCTOBER 2016
- * DENOTES GROUND WATER WELL SCREENED ZONE DOES NOT INTERCEPT WATER TABLE.

NOTE: MONITORING WELL TF-6 COULD NOT BE LOCATED, BUT IS SHOWN AS ABANDONED.

SCALE
0 150 300 FEET

500 Penn Center Boulevard, Suite 10
Pittsburgh, PA 15235

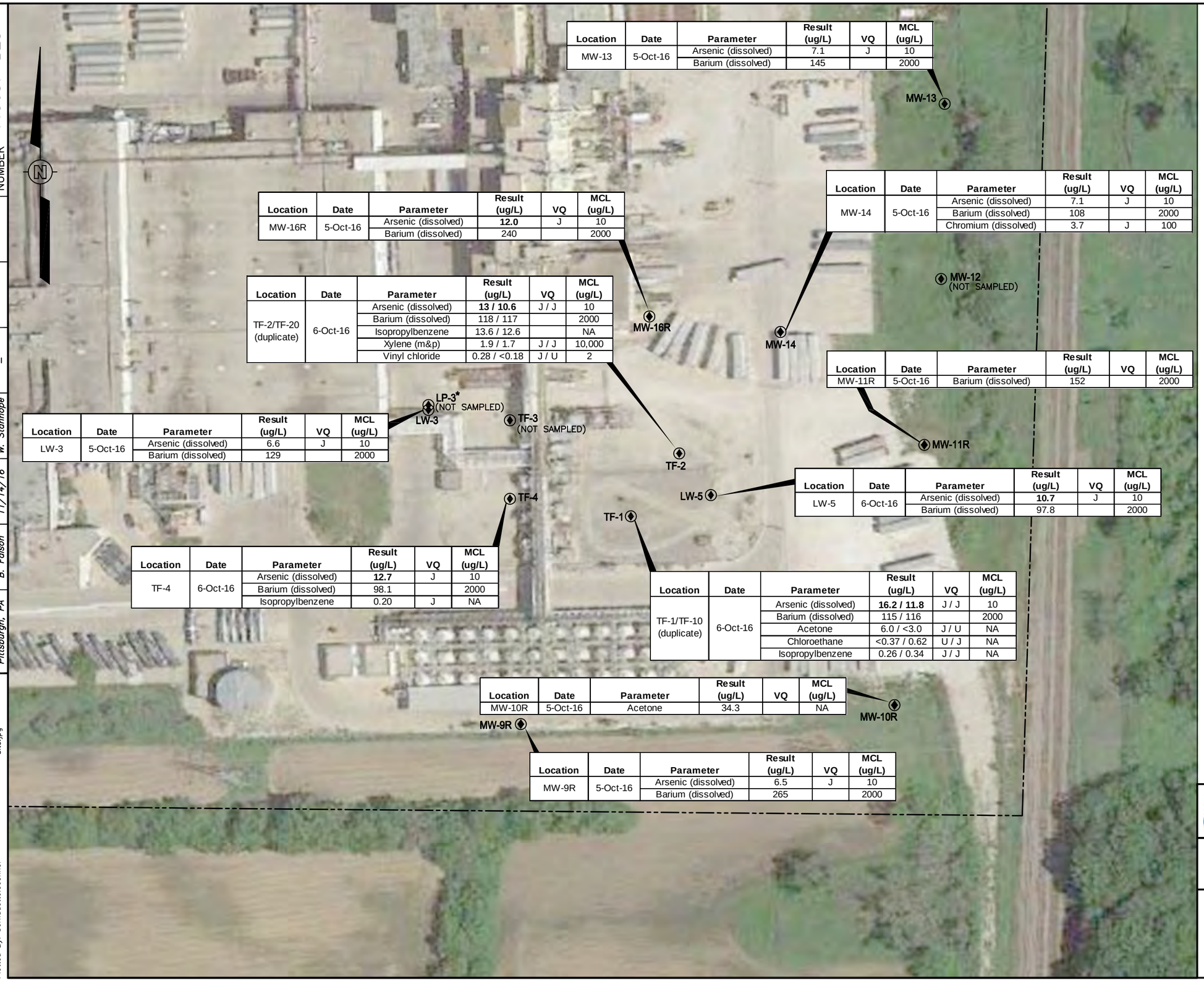
PPG
OAK CREEK, WISCONSIN

FIGURE 2
GENERAL SITE LAYOUT

STATEMENT OF BASIS
OAK CREEK, WISCONSIN

CBI_Logo_Color.jpg
Oak Creek Site.jpg
Oak Creek Site1.jpg
site.jpg

File: O:\project\PPG\119637\119637B26.dwg
Plot Date/Time: Dec 01, 2016 – 2:47pm
Plotted By: bernadette.oconnor



Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-13	5-Oct-16	Arsenic (dissolved)	7.1	J	10
		Barium (dissolved)	145		2000

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-16R	5-Oct-16	Arsenic (dissolved)	**12.0**	J	10
		Barium (dissolved)	240		2000

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-14	5-Oct-16	Arsenic (dissolved)	7.1	J	10
		Barium (dissolved)	108		2000
		Chromium (dissolved)	3.7	J	100

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
TF-2/TF-20 (duplicate)	6-Oct-16	Arsenic (dissolved)	**13 / 10.6**	J / J	10
		Barium (dissolved)	118 / 117		2000
		Isopropylbenzene	13.6 / 12.6		NA
		Xylene (m&p)	1.9 / 1.7	J / J	10,000
		Vinyl chloride	0.28 / <0.18	J / U	2

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-11R	5-Oct-16	Barium (dissolved)	152		2000

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
LW-3	5-Oct-16	Arsenic (dissolved)	6.6	J	10
		Barium (dissolved)	129		2000

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
LW-5	6-Oct-16	Arsenic (dissolved)	**10.7**	J	10
		Barium (dissolved)	97.8		2000

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
TF-4	6-Oct-16	Arsenic (dissolved)	**12.7**	J	10
		Barium (dissolved)	98.1		2000
		Isopropylbenzene	0.20	J	NA

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
TF-1/TF-10 (duplicate)	6-Oct-16	Arsenic (dissolved)	**16.2 / 11.8**	J / J	10
		Barium (dissolved)	115 / 116		2000
		Acetone	6.0 / <3.0	J / U	NA
		Chloroethane	<0.37 / 0.62	U / J	NA
		Isopropylbenzene	0.26 / 0.34	J / J	NA

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-10R	5-Oct-16	Acetone	34.3		NA

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-9R	5-Oct-16	Arsenic (dissolved)	6.5	J	10
		Barium (dissolved)	265		2000

LEGEND:

- APPROXIMATE PPG PROPERTY LINE
- LP-3 ⊕ EXISTING MONITORING WELL
- * DENOTES GROUNDWATER WELL SCREENED ZONE DOES NOT INTERCEPT WATER TABLE.
- J ESTIMATED RESULT
- MCL MAXIMUM CONTAMINANT LEVEL
- VQ VALIDATION QUALIFIER
- U NON-DETECT RESULT
- ug/L MICROGRAMS PER LITER
- < THE CONCENTRATION IS LESS THAN THE INDICATED REPORTING LIMIT

NOTES:

1. BOLDED CONCENTRATIONS INDICATE THAT THE DETECTED VALUE IS GREATER THAN THE MCL.

2. MONITORING WELLS TF-1 AND TF-2 HAD DUPLICATE SAMPLES COLLECTED, TF-10 AND TF-20, RESPECTIVELY.

SCALE
0 100 200 FEET

500 Penn Center Boulevard, Suite 10
Pittsburgh, PA 15235

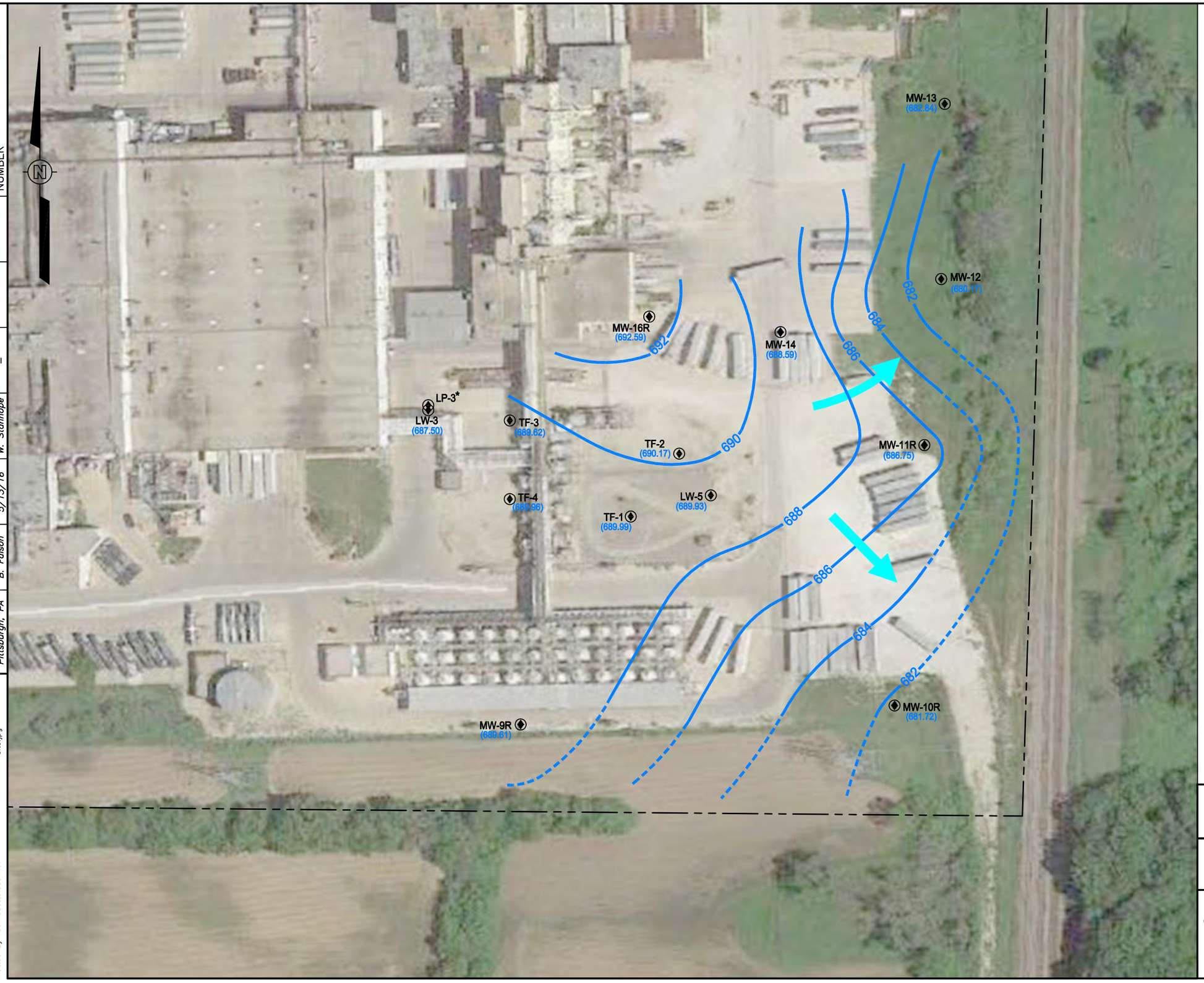
PPG
OAK CREEK, WISCONSIN

FIGURE 3
DISTRIBUTION OF DETECTED CONSTITUENTS IN GROUNDWATER
STATEMENT OF BASIS
OAK CREEK, WISCONSIN

DRAWING NUMBER 119637-B25
APPROVED BY
CHECKED BY – W. Stanhope
DRAWN BY 11/14/16 B. Faison
OFFICE Pittsburgh, PA

Image: 12-13-07.jpg, 3623_001.jpg, 9-25-07.jpg, CBI_Logo-Color.jpg, Oak Ceek Site.jpg, Oak Ceek Site1.jpg, site.jpg

File: O:\Project\PPG\119637\119637B25.dwg
Plot Date/Time: Dec 01, 2016 - 9:46am
Plotted By: bernadette.oconnor



LEGEND:

- APPROXIMATE PPG PROPERTY LINE
- LP-3 — EXISTING MONITORING WELL
- * — DENOTES GROUNDWATER WELL SCREENED ZONE DOES NOT INTERCEPT WATER TABLE.
- (682.84) — GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES:

1. CONTOUR INTERVAL = 2.0 FEET.
2. HYDRAULIC GRADIENT = 0.023 FT/FT AS DERIVED FROM THE FOLLOWING CALCULATION:
   MW-16R (692.59) - MW-10R (681.72) / 470 FEET

SCALE
0 100 200 FEET

500 Penn Center Boulevard, Suite 10
Pittsburgh, PA 15235

PPG
OAK CREEK, WISCONSIN

FIGURE 4
GROUNDWATER ELEVATION CONTOUR MAP
OCTOBER 17, 2016
STATEMENT OF BASIS
OAK CREEK, WISCONSIN

DRAWING NUMBER 119637-B25
APPROVED BY
CHECKED BY – W. Stanhope
DRAWN BY 5/13/16 B. Faison
OFFICE Pittsburgh, PA

Image: 12-13-07.jpg
3823_001.jpg
9-25-07.jpg
CBI_Logo-Color.jpg
Oak Ceek Site.jpg
Oak Ceek Site1.jpg
site.jpg

File: O:\Project\PPG\119637\119637B25.dwg
Plot Date/Time: Jan 18, 2017 - 3:36pm
Plotted By: bernadette.oconnor

Appendix A

Field Logs

A-1: Monitoring Well Abandonment Logs

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
MW-11

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N, -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Damaged	PH743

2. Facility / Owner Information

Facility Name: PPG
Facility ID (FID or PWS): 241014620
License/Permit/Monitoring #:
Original Well Owner: PPG
Present Well Owner: PPG
Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/21/1987

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	2

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

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	15	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
MW-15

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N, -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: PPG
Facility ID (FID or PWS): 241014620
License/Permit/Monitoring #:
Original Well Owner: PPG
Present Well Owner: PPG
Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/26/1987

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
35	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	35

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	35	2/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**
MW-16

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N, -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Damaged	PH744

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/27/1987

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	2

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

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

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

2. Facility / Owner Information

Facility Name: PPG

Facility ID (FID or PWS): 241014620

License/Permit/Monitoring #:

Original Well Owner: PPG

Present Well Owner: PPG

Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	15	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
LP-2

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions)	Format Code	Method Code
42.849654 N	☒ DD	☐ GPS008
-87.932371 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	☒ E ☐ W
or Gov't Lot #				

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: PPG

Facility ID (FID or PWS): 241014620

License/Permit/Monitoring #:

Original Well Owner: PPG

Present Well Owner: PPG

Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/17/1996

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
30.92	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
8	30.92

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	30.92	2/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
LW-2

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N / -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: PPG
Facility ID (FID or PWS): 241014620
License/Permit/Monitoring #:
Original Well Owner: PPG
Present Well Owner: PPG
Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 12/06/1991

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15.5	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
8	15.5

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	15.5	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
LW-6

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions)	Format Code	Method Code
42.849654 N	☒ DD	☐ GPS008
-87.932371 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: PPG

Facility ID (FID or PWS): 241014620

License/Permit/Monitoring #:

Original Well Owner: PPG

Present Well Owner: PPG

Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/14/1996

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
22.41	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
8	22

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	22.41	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
TW-1

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N, -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
No longer in use	NA

2. Facility / Owner Information

Facility Name: PPG
Facility ID (FID or PWS): 241014620
License/Permit/Monitoring #:
Original Well Owner: PPG
Present Well Owner: PPG
Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/01/1981

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
18.5	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	18.5

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	18.5	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
TW-5

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N, -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
No longer in use	NA

2. Facility / Owner Information

Facility Name: PPG
Facility ID (FID or PWS): 241014620
License/Permit/Monitoring #:
Original Well Owner: PPG
Present Well Owner: PPG
Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/02/1981

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	20

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	20	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

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

*WELL COULD NOT BE LOCATED 10/4/2016

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**

TW-6

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions): 42.849654 N / -87.932371 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	22 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: PPG
Facility ID (FID or PWS): 241014620
License/Permit/Monitoring #:
Original Well Owner: PPG
Present Well Owner: PPG
Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/06/1981

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
23	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	23

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☒ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface			

6. Comments

This well could not be located for abandonment on 10/4/2016

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015) Page 1 of 2

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**
TW-7

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee		

Latitude / Longitude (see instructions)	Format Code	Method Code
42.849654 N	☒ DD	☐ GPS008
-87.932371 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	SW	32	5 N	☒ E ☐ W
or Gov't Lot #				

Well Street Address: 10800 South 13th Street

Well City, Village or Town	Well ZIP Code
Oak Creek	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
No longer in use	NA

2. Facility / Owner Information

Facility Name: PPG

Facility ID (FID or PWS): 241014620

License/Permit/Monitoring #:

Original Well Owner: PPG

Present Well Owner: PPG

Mailing Address of Present Owner: One PPG Place

City of Present Owner	State	ZIP Code
Pittsburgh	PA	15272

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/06/1981

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	16

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

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

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite chips	Surface	16	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-Site Environmental		10/04/2016

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		10/10/2016

DNR Use Only

Date Received	Noted By

Comments:

A-2: Monitoring Well Boring Logs

Drilling Log

Monitoring Well **MW-9R**

Project *PPG - Oak Creek* Owner *PPG*

Location *Oak Creek, WI* Proj. No. *119637*

Surface Elev. *695.2 ft.* Total Hole Depth *14.9 ft.* bgs North *315658.78 ft.* East *2523988.47 ft.*

Top of Casing *697.8 ft.* Initial *NA* Static ▼ *5.6 ft.* bgs Diameter *8.25 in.*

Screen: Dia *2 in.* Length *10 ft.* Type/Size *PVC/0.010 in.*

Casing: Dia *2 in.* Length *8 ft.* Type *PVC*

Fill Material *Sidley #5* Rig/Core *NA*

Drill Co. *On-Site Environmental* Method *Hollow Stem Auger*

Driller *Tony Kapugi* Log By *Jared Schmidt* Date *10/3/16* Permit # *PH743*

Checked By *NA* License No. *NA*

COMMENTS

Lithology descriptions are from the original well (MW-9) as installed by Geraghty and Miller in 1987.

Bearings based on Wisconsin State Plane Coordinate System, NAD 83, South Zone.

bgs - below ground surface

Depth (ft.)	Well Completion	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0					CL	Clay, gravel with grass and roots
2						
4					CL	Brown clay with trace fine gravel, some iron staining and mottling
6	▼					
8						
					GW	Sand and gravel
10					CL	Brown clay with trace fine gravel and iron staining
					ML	Gray silt, loose
12					CL	Gray clay, very dense to loose near bottom
14						
16						END OF BORING.
18						
20						

DRILLING LOG Rev: 12/1/16 PPG.GPJ SHAW IT.GDT 1/10/17

Drilling Log

Monitoring Well **MW-10R**

Project *PPG - Oak Creek* Owner *PPG*

Location *Oak Creek, WI* Proj. No. *119637*

Surface Elev. *692.9 ft.* Total Hole Depth *15.0 ft.* bgs North *315679.17 ft.* East *2524387.53 ft.*

Top of Casing *695.3 ft.* Initial *NA* Static ▼ *11.2 ft.* bgs Diameter *8.25 in.*

Screen: Dia *2 in.* Length *10 ft.* Type/Size *PVC/0.010 in.*

Casing: Dia *2 in.* Length *8 ft.* Type *PVC*

Fill Material *Sidley #5* Rig/Core *NA*

Drill Co. *On-Site Environmental* Method *Hollow Stem Auger*

Driller *Tony Kapugi* Log By *Jared Schmidt* Date *10/3/16* Permit # *PH742*

Checked By *NA* License No. *NA*

COMMENTS

Lithology descriptions are from the original well (MW-10) as installed by Geraghty and Miller in 1987.

Bearings based on Wisconsin State Plane Coordinate System, NAD 83, South Zone.

bgs - below ground surface

Depth (ft.)	Well Completion	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0					CL	Clay, gravel with grass and roots
2					CL ML	Brown silty clay with some fine gravel, very dense, some iron staining
4						
6						
8						
10						
12						
14					CL	Gray clay with trace fine to medium gravel, dense
16						END OF BORING.
18						
20						

Drilling Log

Monitoring Well **MW-11R**

Project *PPG - Oak Creek* Owner *PPG*

Location *Oak Creek, WI* Proj. No. *119637*

Surface Elev. *688.8 ft.* Total Hole Depth *15.0 ft.* bgs North *315956.83 ft.* East *2524419.74 ft.*

Top of Casing *690.9 ft.* Initial *NA* Static ▼ *2.1 ft.* bgs Diameter *8.25 in.*

Screen: Dia *2 in.* Length *10 ft.* Type/Size *PVC/0.010 in.*

Casing: Dia *2 in.* Length *8 ft.* Type *PVC*

Fill Material *Sidley #5* Rig/Core *NA*

Drill Co. *On-Site Environmental* Method *Hollow Stem Auger*

Driller *Tony Kapugi* Log By *Jared Schmidt* Date *10/3/16* Permit # *PH741*

Checked By *NA* License No. *NA*

COMMENTS

Lithology descriptions are from the original well (MW-11) as installed by Geraghty and Miller in 1987.

Bearings based on Wisconsin State Plane Coordinate System, NAD 83, South Zone.

bgs - below ground surface

Depth (ft.)	Well Completion	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0					CL	Clay, gravel with grass and roots
2					CL	Brown sandy clay with thin seam of silty sand, some mottling, wet
4						
6					ML	Brown silt with very fine sand and clay
8					CL	Brown clay with trace gravel, very dense, some iron staining
10						
12					CL	Gray clay with some cobbles, very dense, moist
14						
16						END OF BORING.
18						
20						

Drilling Log

Monitoring Well **MW-16R**

Project *PPG - Oak Creek* Owner *PPG*

Location *Oak Creek, WI* Proj. No. *119637*

Surface Elev. *696.3 ft.* Total Hole Depth *15.0 ft.* bgs North *316094.69 ft.* East *2524125.69 ft.*

Top of Casing *698.5 ft.* Initial *NA* Static ▼ *3.6 ft.* bgs Diameter *8.25 in.*

Screen: Dia *2 in.* Length *10 ft.* Type/Size *PVC/0.010 in.*

Casing: Dia *2 in.* Length *8 ft.* Type *PVC*

Fill Material *Sidley #5* Rig/Core *NA*

Drill Co. *On-Site Environmental* Method *Hollow Stem Auger*

Driller *Tony Kapugi* Log By *Jared Schmidt* Date *10/3/16* Permit # *PH744*

Checked By *NA* License No. *NA*

COMMENTS

Lithology descriptions are from the MW-15/MW-16 shallow/deep cluster well MW-15, as installed by Geraghty and Miller in 1987. Bearings based on Wisconsin State Plane Coordinate System, NAD 83, South Zone.

bgs - below ground surface

Depth (ft.)	Well Completion	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0					GP	Coarse gravel
					CL	Brown clay with trace fine to medium gravel, dense, some iron staining
2						
4						
6						
8						
10						
12						
14						END OF BORING.
16						
18						
20						

A-3: Monitoring Well Development Logs

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	TF-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 35 min.

4. Depth of well (from top of well casisng) 16. ft.

5. Inside diameter of well 4.0 in.

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

7. Volume of water removed from well 15. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 9.45 ft.	10.02 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 10:00 ☒ a.m. ☐ p.m.	10:35 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Slightly turbid	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1994

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	TF-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 16.7 ft.

5. Inside diameter of well 4.0 in.

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

7. Volume of water removed from well 15. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.05 ft.	9.27 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 10:40 ☒ a.m. ☐ p.m.	11:20 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) slightly turbid	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1994

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: J Schmidt
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	TF-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 18.8 ft.

5. Inside diameter of well 4.0 in.

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

7. Volume of water removed from well 15 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 9.30 ft.	9.98 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 09:10 ☒ a.m. ☐ p.m.	09:55 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Slightly turbid	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1994.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	LP-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 35. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 15. gal.

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

9. Source of water added NA

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.64 ft.	7.28 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 08:35 ☒ a.m. ☐ p.m.	09:05 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1991.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	LW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 12. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.46 ft.	10.22 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 07:50 ☒ a.m. ☐ p.m.	08:30 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) slightly turbid	Clear ☒ 20 Turbid ☐ 25 (Describe)

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1991.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	LW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 15.26 ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 12. gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.64 ft.	9.70 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 11:25 ☒ a.m. ☐ p.m.	11:50 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe) Clear	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1996.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	MW-9R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	PH741	

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 18. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 50. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.74 ft.	9.75 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 01:00 ☐ a.m. ☒ p.m.	01:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, very turbid	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Tony Last Name: Kapugi
Firm: On-Site Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: J S.
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	MW-10R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	PH742	

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 18. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 2. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 14.88 ft.	16.95 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 11:50 ☒ a.m. ☐ p.m.	12:25 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, very turbid	Clear ☐ 20 Turbid ☒ 25 (Describe) same

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Tony Last Name: Kapugi
Firm: On-Site Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: J. Schmidt
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	MW-11R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	PH743	

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 18. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 25. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.65 ft.	14.10 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 11:05 ☒ a.m. ☐ p.m.	11:45 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, very turbid	Clear ☒ 20 Turbid ☐ 25 (Describe)

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Tony Last Name: Kapugi
Firm: On-Site Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	MW-13

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 12. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.95 ft.	5.88 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016
Time	c. 12:55 ☐ a.m. ☒ p.m.	13:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15	Clear ☒ 20 Turbid ☐ 25
(Describe)	Clear	Clear
14. Total suspended solids	____. mg/l	____. mg/l
15. COD	____. mg/l	____. mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1987.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: JSchmidt
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	MW-14

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41		

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 15. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 12. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.03 ft.	6.42 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 12:00 ☐ a.m. ☒ p.m.	12:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) slightly turbid	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____. mg/l	____. mg/l
15. COD	____. mg/l	____. mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Jared Last Name: Schmidt
Firm: CB&I Environmental

17. Additional comments on development:

This is a re-development of a well installed in 1987.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: J.S.
Print Name: Jared Schmidt
Firm: CB&I

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
PPG	Milwaukee	MW-16R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	PH744	

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

2. Well development method

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

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 18. ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 17. gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.82 ft.	13.92 ft.
Date	b. 10/04/2016 (m m d d y y y y)	10/04/2016 (m m d d y y y y)
Time	c. 12:30 ☐ a.m. ☒ p.m.	12:55 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, very turbid	Clear ☒ 20 Turbid ☐ 25 (Describe) less turbid

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

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

16. Well developed by: Name (first, last) and Firm
First Name: Tony Last Name: Kapugi
Firm: On-Site Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Thompson
Facility/Firm: PPG
Street: S 13th Street
City/State/Zip: Oak Creek, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: J S Schmidt
Print Name: Jared Schmidt
Firm: CB&I

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

A-4: Sample Collection Logs

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/6/16
Well Number: TF-1 **Weather:** 60s, light rain
Casing Dia. (in): 4" **Personnel:** JMS
Well Type: MW
PID Reading: – **O_2 Reading:** –
LEL Reading: – **Methane Reading:** –
(A) Depth to Water: 9.45 **(B) Total Depth:** 18.4
Purge Method: (circle) Bailer Submersible Pump Other Bladder pump
Well Volume = (B-A)*conversion factor (see below)
(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)
Well Volume (gal) = 5.8 **Equipment:**
Purge Start Time: 0800 **Equipment:**
Sample Time: 0920 **Equipment:**
Sampling Parameters: VOC, SVOC, RCRA 8

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
0805		<0.5	6.67	1.987	-89.7	10.8	16.7	3.69
0820		5	6.69	1.240	-119.2	8.1	16.6	1.01
0840		11	6.69	1.088	-130.2	3.8	16.6	0.88
0900		15	6.70	1.090	-148.7	3.2	16.6	0.15
0920		18	6.69	1.041	-149.7	3.5	16.6	0.10

NOTES:
Duplicate sample collected: TF-10

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/6/16

Well Number: TF-2 **Weather:** 60s, light rain

Casing Dia. (in): 4" **Personnel:** JMS

Well Type: MW

PID Reading: — **O_2 Reading:** —

LEL Reading: — **Methane Reading:** —

(A) Depth to Water: 8.05 **(B) Total Depth:** 18'

Purge Method: (circle) Bailer Submersible Pump (Other) Bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 6.5 **Equipment:**

Purge Start Time: 0950 **Equipment:**

Sample Time: 1050 **Equipment:**

Sampling Parameters: VOC, SVOC, RCRA 8

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
0955	~~0~~	0.5	6.77	1.872	~~-106.4~~ +100	22.4	16.8	5.75
1010		5	6.75	1.776	-100.7	17.1	16.6	1.12
1025		11	6.75	1.200	-129.8	16.8	16.6	0.12
1040		15	6.75	1.154	-136.8	16.9	16.6	0.06
1050		18	6.75	1.126	-137.7	16.8	16.6	0.06

NOTES:
Duplicate sample collected: TF-20

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/6/16

Well Number: TF-4 **Weather:** 60s, light rain

Casing Dia. (in): 4" **Personnel:** JMS

Well Type: MW

PID Reading: – **O_2 Reading:** –

LEL Reading: – **Methane Reading:** –

(A) Depth to Water: 9.32 **(B) Total Depth:** 18.8

Purge Method: (circle) Bailer Submersible Pump (Other) Bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 6.1 **Equipment:**

Purge Start Time: 1100 **Equipment:**

Sample Time: 1220 **Equipment:**

Sampling Parameters: VOC, SVOC, RCRA 8 metals

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
1105		0.5	7.02	1.420	-98.8	6.2	18.4	3.20
1120		5	6.91	1.114	-121.4	4.8	18.4	0.99
1140		10	6.90	0.725	-129.7	5.0	18.5	0.41
1200		15	6.91	0.658	-136.2	4.7	18.4	0.20
1220		18	6.90	0.646	-137.7	4.7	18.4	0.17

NOTES:

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/5/16
Well Number: LW-3 **Weather:** 60s, cloudy
Casing Dia. (in): 2" **Personnel:** JMS
Well Type: MW
PID Reading: — **O_2 Reading:** —
LEL Reading: — **Methane Reading:** —
(A) Depth to Water: 8.44 **(B) Total Depth:** 17
Purge Method: (circle) Bailer Submersible Pump (Other) bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 1.4 **Equipment:**
Purge Start Time: 1505 **Equipment:**
Sample Time: 1545 **Equipment:**
Sampling Parameters: VOC, SVOC, RCRA 8 Metals

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
1510		0.5	7.40	1.111	90.4	7.2	21.9	8.22
1525		2.5	7.42	0.920	76.8	6.3	21.6	5.82
1535		3.5	7.42	0.950	75.1	6.2	21.5	5.11
1545		5	7.42	0.948	74.7	6.4	21.5	5.07

NOTES:

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/6/16

Well Number: LW-5 **Weather:** 60s, light rain

Casing Dia. (in): 2" **Personnel:** JMS

Well Type: MW

PID Reading: — **O_2 Reading:** —

LEL Reading: — **Methane Reading:** —

(A) Depth to Water: 8.64 **(B) Total Depth:** 15

Purge Method: (circle) Bailer Submersible Pump (Other) Bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 1.0 **Equipment:**

Purge Start Time: 0700 **Equipment:**

Sample Time: 0740 **Equipment:**

Sampling Parameters: VOC, SVOC, RCRA 8 Metals

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
0705		<0.5	7.20	2.036	-111.5	5.2	18.2	2.28
0720		2	7.23	1.921	-172.8	3.2	17.9	0.50
0730		3	7.23	1.250	-198.4	3.4	18.0	0.18
0740		4	7.24	1.230	-205.1	3.6	18.0	0.15

NOTES:

Sample collected in triplicate for MS/MSD

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637
Well Number: MW-9R
Casing Dia. (in): 2"
Well Type: MW
PID Reading: —
LEL Reading: —
(A) Depth to Water: 8.73

Date: 10/5/16
Weather: 60s, partly cloudy
Personnel: JMS
O_2 Reading: —
Methane Reading: —
(B) Total Depth:

Purge Method: (circle) Bailer Submersible Pump (Other) Bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 1.0
Purge Start Time: 1350
Sample Time: 1430

Equipment:
Equipment:
Equipment:

Sampling Parameters:

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
1350		<1	7.00	2.824	-89.1	88.4	22.0	2.02
1410		3	7.03	2.818	-110.8	74.6	21.7	0.77
1420		4	7.03	2.421	-120.2	71.9	21.8	0.23
1430		5	7.03	2.515	-119.9	72.6	21.8	0.21

NOTES:

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637
Well Number: MW-10R
Casing Dia. (in): 2"
Well Type: MW
PID Reading: —
LEL Reading: —
(A) Depth to Water: 16.20

Date: 10/5/16
Weather: 60s, cloudy
Personnel: JMS
O_2 Reading: —
Methane Reading: —
(B) Total Depth: 18

Purge Method: (circle) Bailer Submersible Pump (Other) Bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = < 0.5
Purge Start Time: 1040
Sample Time: 1110
Sampling Parameters: VOC

Equipment:
Equipment:
Equipment:

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
No readings, insufficient volume								

NOTES:
Well purged dry almost immediately. Allowed to recharge ~2 hrs and was able to collect VOC sample. Not enough volume to collect SVOC or metals samples.

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/5/16

Well Number: MW-112 **Weather:** 60s, partly cloudy

Casing Dia. (in): 2" **Personnel:** JMS

Well Type: MW

PID Reading: – **O_2 Reading:** –

LEL Reading: – **Methane Reading:** –

(A) Depth to Water: 4.75 **(B) Total Depth:** 17'

Purge Method: (circle) Bailer Submersible Pump Other

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 2.0 **Equipment:**

Purge Start Time: 0920 **Equipment:**

Sample Time: 1000 **Equipment:**

Sampling Parameters: VOC, SVOC, RCRA 8 Metals

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
0925		0.5	6.77	6.280	94.8	88.4	15.2	6.280
0935		2	6.80	5.881	88.3	72.5	15.4	4.320
0950		4	6.81	5.386	98.2	70.7	15.4	3.68
1000		6	6.81	5.317	103.2	69.8	15.4	3.70

NOTES:

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637
Well Number: MW-13
Casing Dia. (in): 2"
Well Type: MW
PID Reading: —
LEL Reading: —
(A) Depth to Water: 4.95

Date: 10/5/16
Weather: 50s, partly cloudy
Personnel: JMS
O_2 Reading: —
Methane Reading: —
(B) Total Depth: 17

Purge Method: (circle) Bailer Submersible Pump ~~Other~~ bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 2.0
Purge Start Time: 0730
Sample Time: 0815

Equipment:
Equipment:
Equipment:

Sampling Parameters: VOC, SVOC, RCRA 8 Metals

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
0735		0.5	6.80	2.706	59.6	6.2	15.5	2.21
0745		2	6.88	2.242	58.1	6.1	15.7	0.71
0800		5	6.89	1.800	63.1	5.7	15.7	0.58
0815		7	6.89	1.706	64.9	5.7	15.5	0.53

NOTES:

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637
Well Number: MW-14
Casing Dia. (in): 2"
Well Type: MW
PID Reading: —
LEL Reading: —
(A) Depth to Water: 5.04

Date: 10/5/16
Weather: 60s, cloudy
Personnel: JMS
O_2 Reading: —
Methane Reading: —
(B) Total Depth: 15

Purge Method: (circle) Bailer Submersible Pump ~~Other~~ Bladder pump

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 1.6
Purge Start Time: 1110
Sample Time: 1155

Equipment:
Equipment:
Equipment:

Sampling Parameters: VOC, SVOC, RCRA 8 metals

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
1115		0.5	7.01	1.322	20.5	16.4	18.5	2.56
1130		2	6.98	1.904	26.6	14.4	18.1	1.55
1145		4	6.99	2.296	25.2	12.9	18.1	0.52
1155		6	6.98	2.372	24.6	13.0	18.1	0.46

NOTES:

PPG Oak Creek, WI
WELL SAMPLING FORM

Project Number: 119637 **Date:** 10/5/16

Well Number: MW-16R **Weather:** 60s, cloudy

Casing Dia. (in): 2" **Personnel:** _____

Well Type: MW _____

PID Reading: – **O_2 Reading:** –

LEL Reading: – **Methane Reading:** –

(A) Depth to Water: 6.23 **(B) Total Depth:** 17

Purge Method: (circle) Bailer Submersible Pump Other _____

Well Volume = (B-A)*conversion factor (see below)

(0.04 gal/ft for 1" ID, 0.16 gal/ft for 2" ID, 0.65 gal/ft for 4" ID)

Well Volume (gal) = 1.7 **Equipment:** _____

Purge Start Time: 1225 **Equipment:** _____

Sample Time: 1305 **Equipment:** _____

Sampling Parameters: _____

Time	Water Level (ft toc)	Cumulative Water Volume (gallon)	pH (SU) ±0.3	Cond. (mS/cm) ±10%	ORP (mV) ±10	Turb. (NTU) ±10%	Temp. (°C) ±10%	DO (mg/l) ±10
1230		0.5	7.27	1.298	-52.2	210.4	17.3	3.04
1240		2	7.17	2.002	-68.1	144.1	17.3	1.11
1255		4	7.18	2.175	-75.0	138.1	17.3	0.82
1305	↓	6	7.17	2.339	-77.0	132.5	17.3	0.81

NOTES:

A-5: Sample Chain of Custody

(Please Print Clearly)	
Company Name:	CB+I
Branch/Location:	Pittsburgh PA
Project Contact:	Scott Furlong
Phone:	412-600-0501
Project Number:	119637
Project Name:	PPG
Project State:	WI
Sampled By (Print):	Jared Schmidt
Sampled By (Sign):	
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

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

Page 1 of

40139758

CHAIN OF CUSTODY

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

Quote #:	
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, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOC 8260	SVOC 8270	RCRA 8 Metals	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	N	N	Y			
							B	A	D			
001	TF-1	10/6/16	0920	GW			x	x	x	3-40mlVB	1-250mlpD	1-1LagA
002	TF-2	10/6/16	1050	GW			x	x	x			
003	TF-4	10/6/16	1220	GW			x	x	x			
004	LW-3	10/5/16	1545	GW			x	x	x			
005	LW-5	10/6/16	0740	GW			x	x	x	9-40mlVB	MS/MSD 3-250mlpD	3-1LagA
006	MW-9R	10/5/16	1430	GW			x	x	x			
007	MW-10R	10/5/16	1110	GW			x					
008	MW-11R	10/5/16	1000	GW			x	x	x		1-250mlpD	1-1LagA
009	~~MW-13~~ MW-13	10/5/16	0815	GW			x	x	x			
010	MW-14	10/5/16	1155	GW			x	x	x			
011	MW-16R	10/5/16	1305	GW			x	x	x			
012	TF-10	10/6/16	0930	GW			x	x	x			
013	TF-20	10/6/16	1100	GW			x	x	x			

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/7/16 0900		10/7/16 0931
	10/7/16 1250		10-7-16 1252

PACE Project No.
40139758

Receipt Temp = ROT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

(Please Print Clearly)	
Company Name:	CB & I
Branch/Location:	Pittsburgh PA
Project Contact:	Scott Furlong
Phone:	412-600-0501
Project Number:	119637
Project Name:	PPG
Project State:	WI
Sampled By (Print):	Jared Schmidt
Sampled By (Sign):	
PO #:	Regulatory Program:

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC 8260	SVOC 8270	RCRA 8 Metals	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	Trip Blank	10/6/16	1240	W		B	X			2-40mlV B		
015	Equipment Blank	10/6/16	1230	W		B	X	X	X	3 40mlV B 1-250mlP D	1-1Lag A	

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:	

Samples on HOLD are subject to ...cial pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/7/16 0900		10/7/16 0931
	10/7/16 1250		10-7-16 1250

PACE Project No.: 40139758

Receipt Temp = 2.0 °C

Sample Receipt pH: OK / Adjusted

Cooler Custody Seal: Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Client Name: CB+T

Project #: **WO# : 40139758**

40139758

Courier: ☐ Fed Ex ☐ UPS ☐ 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 N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

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

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 10-7-16
Initials: SKW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: IW		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☑Yes ☐No ☐N/A	13. ☒ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2, NaOH+ZnAct ≥9, NaOH ≥12)	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes ☐No	Initial when completed SKW / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14.
Trip Blank Present:	☑Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 3609 10-7-16 SKW		

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____
If checked, see attached form for additional comments ☐
Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 10-10-16

F-GB-C-031-Rev.03 (9April2015) SCUR Form

Appendix B

Survey Information from CM Lavoie

MONITORING WELL EXHIBIT

PPG INDUSTRIES
OAK CREEK, WISCONSIN

SURVEYOR'S NOTES

NORTH ARROW AND BEARINGS BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM, NAD 83, SOUTH ZONE, ELEVATIONS BASED ON NAVD 88.

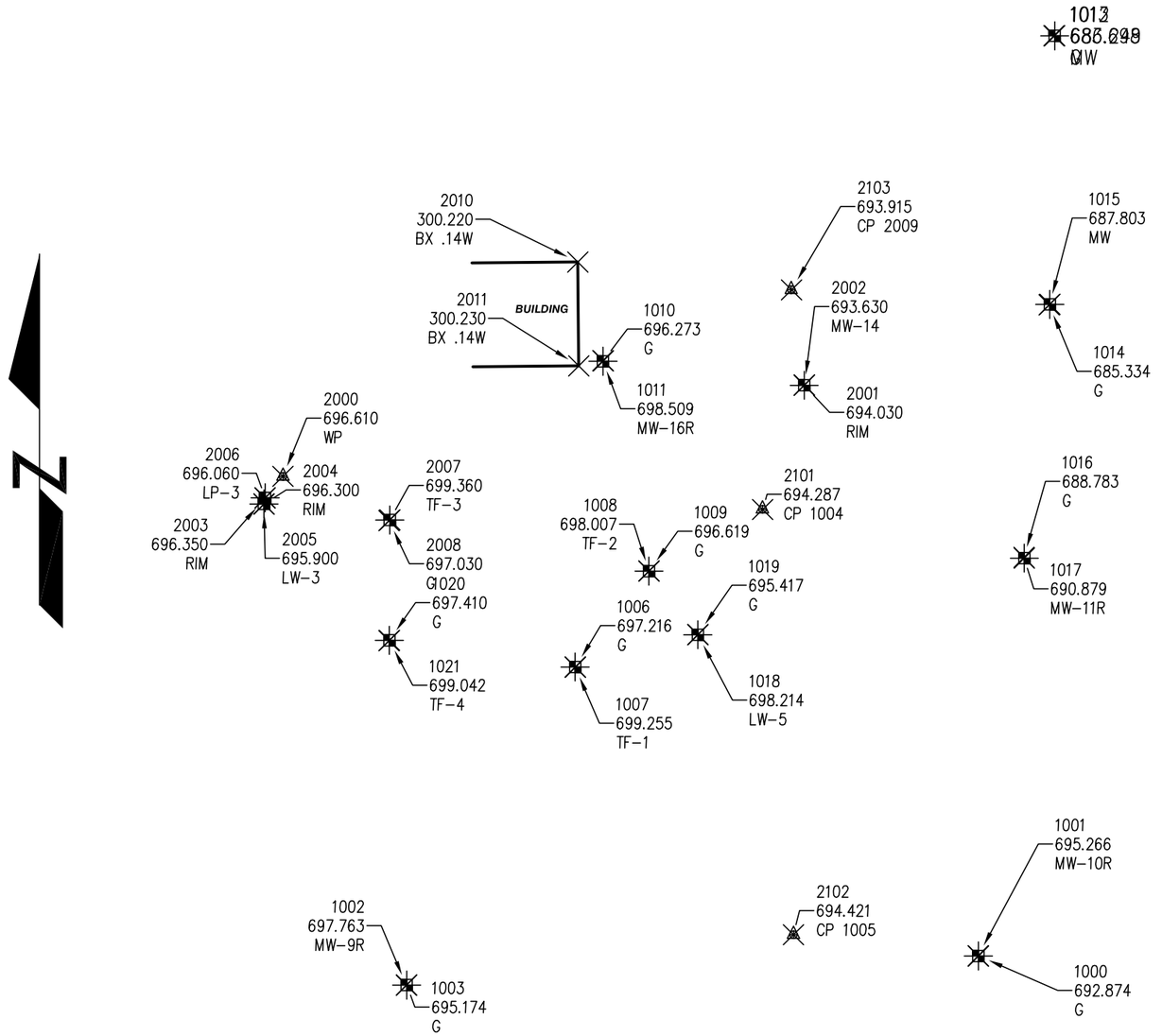
IMPROVEMENT LOCATIONS ARE BASED ON A FIELD SURVEY BY C.M. LAVOIE AND ASSOCIATES, INC. ON 10/05/2016.

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

1 inch = 100 ft.



Number	Northing	Easting	Elevation	Desc
1000	315679.14	2524387.72	692.87	G
1001	315679.17	2524387.53	695.26	MW-10R
1002	315658.78	2523988.47	697.76	MW-9R
1003	315658.85	2523988.72	695.17	G
1006	315880.75	2524106.55	697.21	G
1007	315880.83	2524106.30	699.25	TF-1
1008	315947.76	2524157.80	698.00	TF-2
1009	315947.90	2524157.88	696.61	G
1010	316094.43	2524125.94	696.27	G
1011	316094.69	2524125.69	698.50	MW-16R
1012	316321.41	2524440.95	686.24	MW
1013	316321.49	2524440.45	683.69	G
1014	316133.59	2524437.11	685.33	G
1015	316133.93	2524437.55	687.80	MW
1016	315957.29	2524419.52	688.78	G
1017	315956.83	2524419.74	690.87	MW-11R
1018	315903.32	2524191.94	698.21	LW-5
1019	315903.58	2524191.93	695.41	G
1020	315899.27	2523976.43	697.40	G
1021	315899.45	2523976.66	699.04	TF-4
2000	316013.93	2523902.45	696.61	WP
2001	316077.49	2524266.15	694.03	RIM
2002	316077.69	2524266.35	693.63	MW-14
2003	315998.91	2523889.97	696.35	RIM
2004	315994.52	2523889.24	696.30	RIM
2005	315994.65	2523889.14	695.90	LW-3
2006	315998.91	2523889.98	696.06	LP-3
2007	315983.47	2523976.98	699.36	TF-3
2008	315982.99	2523976.38	697.03	G
2010	316163.55	2524108.16		BX .14W
2011	316091.06	2524108.83		BX .14W
2100	319004.94	2528045.40	714.78	BM NG0330
2101	315990.77	2524237.16	694.28	CP 1004
2102	315693.98	2524258.61	694.42	CP 1005
2103	316144.06	2524257.28	693.91	CP 2009

C.M. Lavoie & Associates, Inc.
Consulting Civil Engineering & Land Surveying
1050 State Route 126
Plainfield, Illinois 60544
voice 815-254-0505
fax 815-436-5158

SHEET 1 OF 1

JOB NUMBER: 16-220	DATE: 10/04/2016
	SCALE: 1"=100'
DRAWN BY: KEB	CHECKED BY: TP

#	DATE	DESCRIPTION
1		
2		
3		

Appendix C

Analytical Reports

C-1: Pace Analytical Services, LLC Analytical Report

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

October 21, 2016

Scott Furlong
CB&I
500 Penn Center Blvd
Suite 900
Pittsburgh, PA 15235

RE: Project: 119637 PPG
Pace Project No.: 40139758

Dear Scott Furlong:
Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2016. 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,

Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 119637 PPG
Pace Project No.: 40139758

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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

SAMPLE SUMMARY

Project: 119637 PPG
Pace Project No.: 40139758

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40139758001	**TF-1**	Water	10/06/16 09:20	10/07/16 12:50
40139758002	**TF-2**	Water	10/06/16 10:50	10/07/16 12:50
40139758003	**TF-4**	Water	10/06/16 12:20	10/07/16 12:50
40139758004	**LW-3**	Water	10/05/16 15:45	10/07/16 12:50
40139758005	**LW-5**	Water	10/06/16 07:40	10/07/16 12:50
40139758006	**MW-9R**	Water	10/05/16 14:30	10/07/16 12:50
40139758007	**MW-10R**	Water	10/05/16 11:10	10/07/16 12:50
40139758008	**MW-11R**	Water	10/05/16 10:00	10/07/16 12:50
40139758009	**MW-13**	Water	10/05/16 08:15	10/07/16 12:50
40139758010	**MW-14**	Water	10/05/16 11:55	10/07/16 12:50
40139758011	**MW-16R**	Water	10/05/16 13:05	10/07/16 12:50
40139758012	**TF-10**	Water	10/06/16 09:30	10/07/16 12:50
40139758013	**TF-20**	Water	10/06/16 11:00	10/07/16 12:50
40139758014	**TRIP BLANK**	Water	10/06/16 12:40	10/07/16 12:50
40139758015	**EQUIPMENT BLANK**	Water	10/06/16 12:30	10/07/16 12:50

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

SAMPLE ANALYTE COUNT

Project: 119637 PPG
Pace Project No.: 40139758

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40139758001	**TF-1**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758002	**TF-2**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758003	**TF-4**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758004	**LW-3**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758005	**LW-5**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758006	**MW-9R**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758007	**MW-10R**	EPA 8260	LAP	54	PASI-G
40139758008	**MW-11R**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758009	**MW-13**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758010	**MW-14**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G

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SAMPLE ANALYTE COUNT

Project: 119637 PPG
Pace Project No.: 40139758

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40139758011	**MW-16R**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758012	**TF-10**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758013	**TF-20**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G
40139758014	**TRIP BLANK**	EPA 8260	LAP	54	PASI-G
40139758015	**EQUIPMENT BLANK**	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	9	PASI-G
		EPA 8260	LAP	54	PASI-G

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ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-1 **Lab ID: 40139758001** Collected: 10/06/16 09:20 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**16.2J**	ug/L	20.0	5.4	1		10/11/16 19:47	7440-38-2	
Barium, Dissolved	**115**	ug/L	5.0	1.5	1		10/11/16 19:47	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:47	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:47	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:47	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 19:47	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:47	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:37	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.74**	ug/L	2.5	0.74	1	10/10/16 08:35	10/11/16 15:54	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.2	2.5	1	10/10/16 08:35	10/11/16 15:54	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 15:54	117-84-0	
Diethylphthalate	**<1.0**	ug/L	3.5	1.0	1	10/10/16 08:35	10/11/16 15:54	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 15:54	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 15:54	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	66	%	43-130		1	10/10/16 08:35	10/11/16 15:54	4165-60-0	
2-Fluorobiphenyl (S)	55	%	41-130		1	10/10/16 08:35	10/11/16 15:54	321-60-8	
Terphenyl-d14 (S)	76	%	49-130		1	10/10/16 08:35	10/11/16 15:54	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 09:49	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 09:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 09:49	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 09:49	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 09:49	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 09:49	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 09:49	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 09:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 09:49	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 09:49	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 09:49	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 09:49	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 09:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 09:49	108-10-1	
Acetone	**6.0J**	ug/L	20.0	3.0	1		10/18/16 09:49	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 09:49	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-1 **Lab ID: 40139758001** Collected: 10/06/16 09:20 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 09:49	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 09:49	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 09:49	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 09:49	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 09:49	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 09:49	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	100-41-4	
Isopropylbenzene (Cumene)	**0.26J**	ug/L	1.0	0.14	1		10/18/16 09:49	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 09:49	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 09:49	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 09:49	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 09:49	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 09:49	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 09:49	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 09:49	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 09:49	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 09:49	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 09:49	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 09:49	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 09:49	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1		10/18/16 09:49	1868-53-7	
Toluene-d8 (S)	84	%	70-130		1		10/18/16 09:49	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		10/18/16 09:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-2 **Lab ID: 40139758002** Collected: 10/06/16 10:50 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**13.0J**	ug/L	20.0	5.4	1		10/11/16 19:49	7440-38-2	
Barium, Dissolved	**118**	ug/L	5.0	1.5	1		10/11/16 19:49	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:49	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:49	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:49	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 19:49	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:49	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:39	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.75**	ug/L	2.5	0.75	1	10/10/16 08:35	10/11/16 16:15	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.3	2.5	1	10/10/16 08:35	10/11/16 16:15	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 16:15	117-84-0	
Diethylphthalate	**<1.1**	ug/L	3.5	1.1	1	10/10/16 08:35	10/11/16 16:15	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 16:15	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 16:15	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	82	%	43-130		1	10/10/16 08:35	10/11/16 16:15	4165-60-0	
2-Fluorobiphenyl (S)	70	%	41-130		1	10/10/16 08:35	10/11/16 16:15	321-60-8	
Terphenyl-d14 (S)	84	%	49-130		1	10/10/16 08:35	10/11/16 16:15	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 10:12	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 10:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 10:12	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 10:12	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 10:12	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 10:12	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 10:12	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 10:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:12	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 10:12	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:12	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 10:12	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 10:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 10:12	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 10:12	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 10:12	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-2 **Lab ID: 40139758002** Collected: 10/06/16 10:50 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 10:12	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 10:12	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 10:12	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 10:12	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 10:12	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 10:12	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	100-41-4	
Isopropylbenzene (Cumene)	**13.6**	ug/L	1.0	0.14	1		10/18/16 10:12	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 10:12	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 10:12	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 10:12	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:12	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 10:12	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:12	75-69-4	
Vinyl chloride	**0.28J**	ug/L	1.0	0.18	1		10/18/16 10:12	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 10:12	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	10061-01-5	
m&p-Xylene	**1.9J**	ug/L	2.0	1.0	1		10/18/16 10:12	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:12	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 10:12	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:12	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1		10/18/16 10:12	1868-53-7	
Toluene-d8 (S)	79	%	70-130		1		10/18/16 10:12	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		10/18/16 10:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-4 **Lab ID: 40139758003** Collected: 10/06/16 12:20 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**12.7J**	ug/L	20.0	5.4	1		10/11/16 19:51	7440-38-2	
Barium, Dissolved	**98.1**	ug/L	5.0	1.5	1		10/11/16 19:51	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:51	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:51	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:51	7439-92-1	
Selenium, Dissolved	**6.1J**	ug/L	20.0	5.6	1		10/11/16 19:51	7782-49-2	B
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:51	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:42	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.74**	ug/L	2.5	0.74	1	10/10/16 08:35	10/11/16 16:36	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.2	2.5	1	10/10/16 08:35	10/11/16 16:36	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 16:36	117-84-0	
Diethylphthalate	**<1.0**	ug/L	3.5	1.0	1	10/10/16 08:35	10/11/16 16:36	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 16:36	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 16:36	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	81	%	43-130		1	10/10/16 08:35	10/11/16 16:36	4165-60-0	
2-Fluorobiphenyl (S)	66	%	41-130		1	10/10/16 08:35	10/11/16 16:36	321-60-8	
Terphenyl-d14 (S)	77	%	49-130		1	10/10/16 08:35	10/11/16 16:36	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 10:34	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 10:34	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 10:34	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 10:34	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 10:34	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 10:34	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 10:34	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 10:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:34	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 10:34	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:34	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 10:34	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 10:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 10:34	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 10:34	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 10:34	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-4 **Lab ID: 40139758003** Collected: 10/06/16 12:20 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 10:34	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 10:34	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 10:34	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 10:34	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 10:34	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 10:34	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	100-41-4	
Isopropylbenzene (Cumene)	**0.20J**	ug/L	1.0	0.14	1		10/18/16 10:34	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 10:34	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 10:34	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 10:34	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:34	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 10:34	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:34	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:34	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 10:34	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 10:34	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:34	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 10:34	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:34	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/18/16 10:34	1868-53-7	
Toluene-d8 (S)	79	%	70-130		1		10/18/16 10:34	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		10/18/16 10:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: LW-3 **Lab ID: 40139758004** Collected: 10/05/16 15:45 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**6.6J**	ug/L	20.0	5.4	1		10/11/16 19:54	7440-38-2	
Barium, Dissolved	**129**	ug/L	5.0	1.5	1		10/11/16 19:54	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:54	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:54	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:54	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 19:54	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:54	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:44	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.78**	ug/L	2.6	0.78	1	10/10/16 08:35	10/11/16 16:58	85-68-7	
Di-n-butylphthalate	**<2.6**	ug/L	8.6	2.6	1	10/10/16 08:35	10/11/16 16:58	84-74-2	
Di-n-octylphthalate	**<1.9**	ug/L	6.4	1.9	1	10/10/16 08:35	10/11/16 16:58	117-84-0	
Diethylphthalate	**<1.1**	ug/L	3.6	1.1	1	10/10/16 08:35	10/11/16 16:58	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.5	1.9	1	10/10/16 08:35	10/11/16 16:58	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.70**	ug/L	2.3	0.70	1	10/10/16 08:35	10/11/16 16:58	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	72	%	43-130		1	10/10/16 08:35	10/11/16 16:58	4165-60-0	
2-Fluorobiphenyl (S)	64	%	41-130		1	10/10/16 08:35	10/11/16 16:58	321-60-8	
Terphenyl-d14 (S)	75	%	49-130		1	10/10/16 08:35	10/11/16 16:58	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/14/16 21:14	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/14/16 21:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/14/16 21:14	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/14/16 21:14	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/14/16 21:14	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/14/16 21:14	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/14/16 21:14	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/14/16 21:14	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:14	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/14/16 21:14	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:14	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/14/16 21:14	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/14/16 21:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/14/16 21:14	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/14/16 21:14	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/14/16 21:14	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: LW-3 **Lab ID: 40139758004** Collected: 10/05/16 15:45 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/14/16 21:14	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/14/16 21:14	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/14/16 21:14	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/14/16 21:14	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/14/16 21:14	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/14/16 21:14	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/14/16 21:14	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/14/16 21:14	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/14/16 21:14	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/14/16 21:14	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:14	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/14/16 21:14	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:14	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:14	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 21:14	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/14/16 21:14	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:14	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 21:14	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:14	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		10/14/16 21:14	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/14/16 21:14	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		10/14/16 21:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: LW-5 **Lab ID: 40139758005** Collected: 10/06/16 07:40 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**10.7J**	ug/L	20.0	5.4	1		10/11/16 19:40	7440-38-2	
Barium, Dissolved	**97.8**	ug/L	5.0	1.5	1		10/11/16 19:40	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:40	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:40	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:40	7439-92-1	
Selenium, Dissolved	**5.7J**	ug/L	20.0	5.6	1		10/11/16 19:40	7782-49-2	B
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:40	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:30	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<6.0**	ug/L	19.8	6.0	8	10/10/16 08:35	10/11/16 12:01	85-68-7	
Di-n-butylphthalate	**<19.7**	ug/L	65.7	19.7	8	10/10/16 08:35	10/11/16 12:01	84-74-2	
Di-n-octylphthalate	**<14.6**	ug/L	48.5	14.6	8	10/10/16 08:35	10/11/16 12:01	117-84-0	
Diethylphthalate	**<8.3**	ug/L	27.8	8.3	8	10/10/16 08:35	10/11/16 12:01	84-66-2	
Dimethylphthalate	**<14.8**	ug/L	49.5	14.8	8	10/10/16 08:35	10/11/16 12:01	131-11-3	D3
bis(2-Ethylhexyl)phthalate	**<5.3**	ug/L	17.8	5.3	8	10/10/16 08:35	10/11/16 12:01	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	59	%	43-130		8	10/10/16 08:35	10/11/16 12:01	4165-60-0	
2-Fluorobiphenyl (S)	64	%	41-130		8	10/10/16 08:35	10/11/16 12:01	321-60-8	
Terphenyl-d14 (S)	70	%	49-130		8	10/10/16 08:35	10/11/16 12:01	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.62**	ug/L	2.5	0.62	2.5		10/14/16 18:41	79-34-5	
1,1,2-Trichloroethane	**<0.49**	ug/L	2.5	0.49	2.5		10/14/16 18:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<2.0**	ug/L	12.5	2.0	2.5		10/14/16 18:41	76-13-1	
1,1-Dichloroethane	**<0.60**	ug/L	2.5	0.60	2.5		10/14/16 18:41	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	2.5	1.0	2.5		10/14/16 18:41	75-35-4	
1,2,3-Trichlorobenzene	**<5.3**	ug/L	12.5	5.3	2.5		10/14/16 18:41	87-61-6	
1,2,4-Trichlorobenzene	**<5.5**	ug/L	12.5	5.5	2.5		10/14/16 18:41	120-82-1	
1,2-Dibromo-3-chloropropane	**<5.4**	ug/L	12.5	5.4	2.5		10/14/16 18:41	96-12-8	
1,2-Dibromoethane (EDB)	**<0.44**	ug/L	2.5	0.44	2.5		10/14/16 18:41	106-93-4	
1,2-Dichlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	95-50-1	
1,2-Dichloroethane	**<0.42**	ug/L	2.5	0.42	2.5		10/14/16 18:41	107-06-2	
1,2-Dichloropropane	**<0.58**	ug/L	2.5	0.58	2.5		10/14/16 18:41	78-87-5	
1,3-Dichlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	541-73-1	
1,4-Dichlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	106-46-7	
2-Butanone (MEK)	**<7.4**	ug/L	50.0	7.4	2.5		10/14/16 18:41	78-93-3	
2-Hexanone	**<2.8**	ug/L	12.5	2.8	2.5		10/14/16 18:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.4**	ug/L	12.5	5.4	2.5		10/14/16 18:41	108-10-1	
Acetone	**<7.4**	ug/L	50.0	7.4	2.5		10/14/16 18:41	67-64-1	
Benzene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	71-43-2	
Bromochloromethane	**<0.85**	ug/L	2.5	0.85	2.5		10/14/16 18:41	74-97-5	
Bromodichloromethane	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: LW-5 **Lab ID: 40139758005** Collected: 10/06/16 07:40 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	75-25-2	
Bromomethane	**<6.1**	ug/L	12.5	6.1	2.5		10/14/16 18:41	74-83-9	
Carbon disulfide	**<1.5**	ug/L	12.5	1.5	2.5		10/14/16 18:41	75-15-0	
Carbon tetrachloride	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	56-23-5	
Chlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	108-90-7	
Chloroethane	**<0.94**	ug/L	2.5	0.94	2.5		10/14/16 18:41	75-00-3	
Chloroform	**<6.2**	ug/L	12.5	6.2	2.5		10/14/16 18:41	67-66-3	
Chloromethane	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	74-87-3	
Cyclohexane	**<2.2**	ug/L	12.5	2.2	2.5		10/14/16 18:41	110-82-7	
Dibromochloromethane	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	124-48-1	
Dichlorodifluoromethane	**<0.56**	ug/L	2.5	0.56	2.5		10/14/16 18:41	75-71-8	
Ethylbenzene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	100-41-4	
Isopropylbenzene (Cumene)	**<0.36**	ug/L	2.5	0.36	2.5		10/14/16 18:41	98-82-8	
Methyl acetate	**<5.4**	ug/L	25.0	5.4	2.5		10/14/16 18:41	79-20-9	
Methyl-tert-butyl ether	**<0.44**	ug/L	2.5	0.44	2.5		10/14/16 18:41	1634-04-4	
Methylcyclohexane	**<5.8**	ug/L	12.5	5.8	2.5		10/14/16 18:41	108-87-2	
Methylene Chloride	**<0.58**	ug/L	2.5	0.58	2.5		10/14/16 18:41	75-09-2	
Styrene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	100-42-5	
Tetrachloroethene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	127-18-4	
Toluene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	108-88-3	
Trichloroethene	**<0.83**	ug/L	2.5	0.83	2.5		10/14/16 18:41	79-01-6	
Trichlorofluoromethane	**<0.46**	ug/L	2.5	0.46	2.5		10/14/16 18:41	75-69-4	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		10/14/16 18:41	75-01-4	
cis-1,2-Dichloroethene	**<0.64**	ug/L	2.5	0.64	2.5		10/14/16 18:41	156-59-2	
cis-1,3-Dichloropropene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	10061-01-5	
m&p-Xylene	**<2.5**	ug/L	5.0	2.5	2.5		10/14/16 18:41	179601-23-1	
o-Xylene	**<1.2**	ug/L	2.5	1.2	2.5		10/14/16 18:41	95-47-6	
trans-1,2-Dichloroethene	**<0.64**	ug/L	2.5	0.64	2.5		10/14/16 18:41	156-60-5	
trans-1,3-Dichloropropene	**<0.57**	ug/L	2.5	0.57	2.5		10/14/16 18:41	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		2.5		10/14/16 18:41	1868-53-7	D3
Toluene-d8 (S)	99	%	70-130		2.5		10/14/16 18:41	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		2.5		10/14/16 18:41	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-9R **Lab ID: 40139758006** Collected: 10/05/16 14:30 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**6.5J**	ug/L	20.0	5.4	1		10/11/16 19:56	7440-38-2	
Barium, Dissolved	**265**	ug/L	5.0	1.5	1		10/11/16 19:56	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:56	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:56	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:56	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 19:56	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:56	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:46	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.74**	ug/L	2.5	0.74	1	10/10/16 08:35	10/11/16 17:19	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.2	2.5	1	10/10/16 08:35	10/11/16 17:19	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 17:19	117-84-0	
Diethylphthalate	**<1.0**	ug/L	3.5	1.0	1	10/10/16 08:35	10/11/16 17:19	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 17:19	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 17:19	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	82	%	43-130		1	10/10/16 08:35	10/11/16 17:19	4165-60-0	
2-Fluorobiphenyl (S)	73	%	41-130		1	10/10/16 08:35	10/11/16 17:19	321-60-8	
Terphenyl-d14 (S)	88	%	49-130		1	10/10/16 08:35	10/11/16 17:19	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 10:57	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 10:57	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 10:57	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 10:57	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 10:57	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 10:57	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 10:57	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 10:57	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:57	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 10:57	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:57	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 10:57	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 10:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 10:57	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 10:57	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 10:57	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-9R **Lab ID: 40139758006** Collected: 10/05/16 14:30 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 10:57	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 10:57	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 10:57	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 10:57	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 10:57	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 10:57	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/18/16 10:57	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 10:57	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 10:57	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 10:57	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:57	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 10:57	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:57	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 10:57	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 10:57	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 10:57	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 10:57	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 10:57	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 10:57	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		10/18/16 10:57	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		10/18/16 10:57	2037-26-5	
4-Bromofluorobenzene (S)	82	%	70-130		1		10/18/16 10:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-10R **Lab ID: 40139758007** Collected: 10/05/16 11:10 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/14/16 21:36	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/14/16 21:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/14/16 21:36	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/14/16 21:36	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/14/16 21:36	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/14/16 21:36	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/14/16 21:36	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/14/16 21:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:36	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/14/16 21:36	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:36	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/14/16 21:36	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/14/16 21:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/14/16 21:36	108-10-1	
Acetone	**34.3**	ug/L	20.0	3.0	1		10/14/16 21:36	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/14/16 21:36	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/14/16 21:36	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/14/16 21:36	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/14/16 21:36	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/14/16 21:36	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/14/16 21:36	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/14/16 21:36	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/14/16 21:36	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/14/16 21:36	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/14/16 21:36	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/14/16 21:36	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:36	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/14/16 21:36	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:36	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:36	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 21:36	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-10R **Lab ID: 40139758007** Collected: 10/05/16 11:10 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/14/16 21:36	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:36	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 21:36	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:36	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/14/16 21:36	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/14/16 21:36	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		10/14/16 21:36	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-11R **Lab ID: 40139758008** Collected: 10/05/16 10:00 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		10/11/16 19:59	7440-38-2	
Barium, Dissolved	**152**	ug/L	5.0	1.5	1		10/11/16 19:59	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 19:59	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 19:59	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 19:59	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 19:59	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 19:59	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:53	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.77**	ug/L	2.6	0.77	1	10/10/16 08:35	10/11/16 17:40	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.5	2.5	1	10/10/16 08:35	10/11/16 17:40	84-74-2	
Di-n-octylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 17:40	117-84-0	
Diethylphthalate	**<1.1**	ug/L	3.6	1.1	1	10/10/16 08:35	10/11/16 17:40	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.4	1.9	1	10/10/16 08:35	10/11/16 17:40	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.69**	ug/L	2.3	0.69	1	10/10/16 08:35	10/11/16 17:40	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	80	%	43-130		1	10/10/16 08:35	10/11/16 17:40	4165-60-0	
2-Fluorobiphenyl (S)	66	%	41-130		1	10/10/16 08:35	10/11/16 17:40	321-60-8	
Terphenyl-d14 (S)	76	%	49-130		1	10/10/16 08:35	10/11/16 17:40	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/14/16 21:58	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/14/16 21:58	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/14/16 21:58	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/14/16 21:58	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/14/16 21:58	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/14/16 21:58	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/14/16 21:58	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/14/16 21:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:58	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/14/16 21:58	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:58	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/14/16 21:58	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/14/16 21:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/14/16 21:58	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/14/16 21:58	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/14/16 21:58	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-11R **Lab ID: 40139758008** Collected: 10/05/16 10:00 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/14/16 21:58	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/14/16 21:58	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/14/16 21:58	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/14/16 21:58	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/14/16 21:58	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/14/16 21:58	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/14/16 21:58	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/14/16 21:58	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/14/16 21:58	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/14/16 21:58	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:58	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/14/16 21:58	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:58	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/14/16 21:58	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 21:58	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/14/16 21:58	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 21:58	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 21:58	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/14/16 21:58	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		10/14/16 21:58	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/14/16 21:58	2037-26-5	
4-Bromofluorobenzene (S)	84	%	70-130		1		10/14/16 21:58	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-13 **Lab ID: 40139758009** Collected: 10/05/16 08:15 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**7.1J**	ug/L	20.0	5.4	1		10/11/16 20:01	7440-38-2	
Barium, Dissolved	**145**	ug/L	5.0	1.5	1		10/11/16 20:01	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 20:01	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 20:01	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 20:01	7439-92-1	
Selenium, Dissolved	**6.0J**	ug/L	20.0	5.6	1		10/11/16 20:01	7782-49-2	B
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 20:01	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:56	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.74**	ug/L	2.5	0.74	1	10/10/16 08:35	10/11/16 18:01	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.2	2.5	1	10/10/16 08:35	10/11/16 18:01	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 18:01	117-84-0	
Diethylphthalate	**<1.0**	ug/L	3.5	1.0	1	10/10/16 08:35	10/11/16 18:01	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 18:01	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 18:01	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	87	%	43-130		1	10/10/16 08:35	10/11/16 18:01	4165-60-0	
2-Fluorobiphenyl (S)	75	%	41-130		1	10/10/16 08:35	10/11/16 18:01	321-60-8	
Terphenyl-d14 (S)	86	%	49-130		1	10/10/16 08:35	10/11/16 18:01	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/14/16 22:19	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/14/16 22:19	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/14/16 22:19	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/14/16 22:19	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/14/16 22:19	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/14/16 22:19	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/14/16 22:19	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/14/16 22:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/14/16 22:19	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/14/16 22:19	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/14/16 22:19	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/14/16 22:19	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/14/16 22:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/14/16 22:19	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/14/16 22:19	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/14/16 22:19	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	75-27-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-13 **Lab ID: 40139758009** Collected: 10/05/16 08:15 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/14/16 22:19	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/14/16 22:19	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/14/16 22:19	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/14/16 22:19	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/14/16 22:19	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/14/16 22:19	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/14/16 22:19	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/14/16 22:19	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/14/16 22:19	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/14/16 22:19	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/14/16 22:19	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/14/16 22:19	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/14/16 22:19	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/14/16 22:19	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 22:19	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/14/16 22:19	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:19	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 22:19	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/14/16 22:19	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		10/14/16 22:19	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/14/16 22:19	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		10/14/16 22:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-14 **Lab ID: 40139758010** Collected: 10/05/16 11:55 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**7.1J**	ug/L	20.0	5.4	1		10/11/16 20:08	7440-38-2	
Barium, Dissolved	**108**	ug/L	5.0	1.5	1		10/11/16 20:08	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 20:08	7440-43-9	
Chromium, Dissolved	**3.7J**	ug/L	10.0	2.5	1		10/11/16 20:08	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 20:08	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 20:08	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 20:08	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:58	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.75**	ug/L	2.5	0.75	1	10/10/16 08:35	10/13/16 15:02	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.3	2.5	1	10/10/16 08:35	10/13/16 15:02	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/13/16 15:02	117-84-0	
Diethylphthalate	**<1.1**	ug/L	3.5	1.1	1	10/10/16 08:35	10/13/16 15:02	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/13/16 15:02	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/13/16 15:02	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	82	%	43-130		1	10/10/16 08:35	10/13/16 15:02	4165-60-0	
2-Fluorobiphenyl (S)	77	%	41-130		1	10/10/16 08:35	10/13/16 15:02	321-60-8	
Terphenyl-d14 (S)	84	%	49-130		1	10/10/16 08:35	10/13/16 15:02	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/14/16 22:41	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/14/16 22:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/14/16 22:41	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/14/16 22:41	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/14/16 22:41	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/14/16 22:41	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/14/16 22:41	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/14/16 22:41	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/14/16 22:41	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/14/16 22:41	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/14/16 22:41	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/14/16 22:41	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/14/16 22:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/14/16 22:41	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/14/16 22:41	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/14/16 22:41	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-14 **Lab ID: 40139758010** Collected: 10/05/16 11:55 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/14/16 22:41	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/14/16 22:41	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/14/16 22:41	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/14/16 22:41	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/14/16 22:41	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/14/16 22:41	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/14/16 22:41	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/14/16 22:41	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/14/16 22:41	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/14/16 22:41	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/14/16 22:41	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/14/16 22:41	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/14/16 22:41	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/14/16 22:41	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 22:41	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/14/16 22:41	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/14/16 22:41	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/14/16 22:41	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/14/16 22:41	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/14/16 22:41	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/14/16 22:41	2037-26-5	
4-Bromofluorobenzene (S)	84	%	70-130		1		10/14/16 22:41	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-16R **Lab ID: 40139758011** Collected: 10/05/16 13:05 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**12.0J**	ug/L	20.0	5.4	1		10/11/16 20:11	7440-38-2	
Barium, Dissolved	**240**	ug/L	5.0	1.5	1		10/11/16 20:11	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 20:11	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 20:11	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 20:11	7439-92-1	
Selenium, Dissolved	**7.5J**	ug/L	20.0	5.6	1		10/11/16 20:11	7782-49-2	B
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 20:11	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 11:00	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.76**	ug/L	2.5	0.76	1	10/10/16 08:35	10/13/16 15:24	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.4	2.5	1	10/10/16 08:35	10/13/16 15:24	84-74-2	
Di-n-octylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/13/16 15:24	117-84-0	
Diethylphthalate	**<1.1**	ug/L	3.5	1.1	1	10/10/16 08:35	10/13/16 15:24	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.3	1.9	1	10/10/16 08:35	10/13/16 15:24	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.68**	ug/L	2.3	0.68	1	10/10/16 08:35	10/13/16 15:24	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	63	%	43-130		1	10/10/16 08:35	10/13/16 15:24	4165-60-0	
2-Fluorobiphenyl (S)	60	%	41-130		1	10/10/16 08:35	10/13/16 15:24	321-60-8	
Terphenyl-d14 (S)	65	%	49-130		1	10/10/16 08:35	10/13/16 15:24	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 11:19	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 11:19	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 11:19	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 11:19	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 11:19	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 11:19	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 11:19	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 11:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 11:19	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 11:19	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 11:19	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 11:19	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 11:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 11:19	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 11:19	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 11:19	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 119637 PPG
Pace Project No.: 40139758

Sample: MW-16R **Lab ID: 40139758011** Collected: 10/05/16 13:05 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 11:19	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 11:19	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 11:19	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 11:19	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 11:19	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 11:19	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/18/16 11:19	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 11:19	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 11:19	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 11:19	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 11:19	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 11:19	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 11:19	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 11:19	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 11:19	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 11:19	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:19	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 11:19	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 11:19	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1		10/18/16 11:19	1868-53-7	
Toluene-d8 (S)	86	%	70-130		1		10/18/16 11:19	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		10/18/16 11:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-10 **Lab ID: 40139758012** Collected: 10/06/16 09:30 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**11.8J**	ug/L	20.0	5.4	1		10/11/16 20:13	7440-38-2	
Barium, Dissolved	**116**	ug/L	5.0	1.5	1		10/11/16 20:13	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 20:13	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 20:13	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 20:13	7439-92-1	
Selenium, Dissolved	**12.6J**	ug/L	20.0	5.6	1		10/11/16 20:13	7782-49-2	B
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 20:13	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 11:03	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<3.0**	ug/L	10.1	3.0	4	10/10/16 08:35	10/11/16 15:11	85-68-7	
Di-n-butylphthalate	**<10.1**	ug/L	33.5	10.1	4	10/10/16 08:35	10/11/16 15:11	84-74-2	
Di-n-octylphthalate	**<7.4**	ug/L	24.7	7.4	4	10/10/16 08:35	10/11/16 15:11	117-84-0	
Diethylphthalate	**<4.2**	ug/L	14.1	4.2	4	10/10/16 08:35	10/11/16 15:11	84-66-2	
Dimethylphthalate	**<7.6**	ug/L	25.2	7.6	4	10/10/16 08:35	10/11/16 15:11	131-11-3	
bis(2-Ethylhexyl)phthalate	**<2.7**	ug/L	9.1	2.7	4	10/10/16 08:35	10/11/16 15:11	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	74	%	43-130		4	10/10/16 08:35	10/11/16 15:11	4165-60-0	
2-Fluorobiphenyl (S)	71	%	41-130		4	10/10/16 08:35	10/11/16 15:11	321-60-8	
Terphenyl-d14 (S)	82	%	49-130		4	10/10/16 08:35	10/11/16 15:11	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 11:42	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 11:42	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 11:42	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 11:42	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 11:42	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 11:42	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 11:42	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 11:42	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 11:42	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 11:42	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 11:42	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 11:42	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 11:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 11:42	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 11:42	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 11:42	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-10 **Lab ID: 40139758012** Collected: 10/06/16 09:30 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 11:42	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 11:42	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	108-90-7	
Chloroethane	**0.62J**	ug/L	1.0	0.37	1		10/18/16 11:42	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 11:42	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 11:42	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 11:42	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	100-41-4	
Isopropylbenzene (Cumene)	**0.34J**	ug/L	1.0	0.14	1		10/18/16 11:42	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 11:42	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 11:42	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 11:42	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 11:42	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 11:42	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 11:42	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 11:42	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 11:42	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 11:42	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 11:42	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 11:42	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 11:42	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		10/18/16 11:42	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		10/18/16 11:42	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		10/18/16 11:42	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-20 **Lab ID: 40139758013** Collected: 10/06/16 11:00 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**10.6J**	ug/L	20.0	5.4	1		10/11/16 20:15	7440-38-2	
Barium, Dissolved	**117**	ug/L	5.0	1.5	1		10/11/16 20:15	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 20:15	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 20:15	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 20:15	7439-92-1	
Selenium, Dissolved	**7.7J**	ug/L	20.0	5.6	1		10/11/16 20:15	7782-49-2	B
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 20:15	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 11:05	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.74**	ug/L	2.5	0.74	1	10/10/16 08:35	10/17/16 17:35	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.2	2.5	1	10/10/16 08:35	10/17/16 17:35	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/17/16 17:35	117-84-0	
Diethylphthalate	**<1.0**	ug/L	3.5	1.0	1	10/10/16 08:35	10/17/16 17:35	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/17/16 17:35	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/17/16 17:35	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	75	%	43-130		1	10/10/16 08:35	10/17/16 17:35	4165-60-0	
2-Fluorobiphenyl (S)	65	%	41-130		1	10/10/16 08:35	10/17/16 17:35	321-60-8	
Terphenyl-d14 (S)	68	%	49-130		1	10/10/16 08:35	10/17/16 17:35	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 12:04	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 12:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 12:04	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 12:04	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 12:04	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 12:04	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 12:04	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 12:04	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:04	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 12:04	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:04	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 12:04	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 12:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 12:04	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 12:04	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 12:04	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TF-20 **Lab ID: 40139758013** Collected: 10/06/16 11:00 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 12:04	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 12:04	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 12:04	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 12:04	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 12:04	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 12:04	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	100-41-4	
Isopropylbenzene (Cumene)	**12.6**	ug/L	1.0	0.14	1		10/18/16 12:04	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 12:04	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 12:04	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 12:04	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:04	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 12:04	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:04	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:04	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 12:04	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	10061-01-5	
m&p-Xylene	**1.7J**	ug/L	2.0	1.0	1		10/18/16 12:04	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:04	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 12:04	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:04	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		10/18/16 12:04	1868-53-7	
Toluene-d8 (S)	81	%	70-130		1		10/18/16 12:04	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		10/18/16 12:04	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TRIP BLANK **Lab ID: 40139758014** Collected: 10/06/16 12:40 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 12:27	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 12:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 12:27	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 12:27	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 12:27	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 12:27	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 12:27	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 12:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:27	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 12:27	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:27	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 12:27	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 12:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 12:27	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 12:27	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 12:27	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 12:27	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 12:27	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 12:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 12:27	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 12:27	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 12:27	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/18/16 12:27	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 12:27	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 12:27	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 12:27	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:27	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 12:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:27	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:27	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 12:27	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: TRIP BLANK **Lab ID: 40139758014** Collected: 10/06/16 12:40 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 12:27	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:27	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 12:27	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:27	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		10/18/16 12:27	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		10/18/16 12:27	2037-26-5	
4-Bromofluorobenzene (S)	81	%	70-130		1		10/18/16 12:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: EQUIPMENT BLANK **Lab ID: 40139758015** Collected: 10/06/16 12:30 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	**<5.4**	ug/L	20.0	5.4	1		10/11/16 20:18	7440-38-2	
Barium, Dissolved	**<1.5**	ug/L	5.0	1.5	1		10/11/16 20:18	7440-39-3	
Cadmium, Dissolved	**<1.3**	ug/L	5.0	1.3	1		10/11/16 20:18	7440-43-9	
Chromium, Dissolved	**<2.5**	ug/L	10.0	2.5	1		10/11/16 20:18	7440-47-3	
Lead, Dissolved	**<4.3**	ug/L	13.0	4.3	1		10/11/16 20:18	7439-92-1	
Selenium, Dissolved	**<5.6**	ug/L	20.0	5.6	1		10/11/16 20:18	7782-49-2	
Silver, Dissolved	**<3.2**	ug/L	10.0	3.2	1		10/11/16 20:18	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.13**	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 11:07	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Butylbenzylphthalate	**<0.74**	ug/L	2.5	0.74	1	10/10/16 08:35	10/17/16 17:57	85-68-7	
Di-n-butylphthalate	**<2.5**	ug/L	8.2	2.5	1	10/10/16 08:35	10/17/16 17:57	84-74-2	
Di-n-octylphthalate	**<1.8**	ug/L	6.1	1.8	1	10/10/16 08:35	10/17/16 17:57	117-84-0	
Diethylphthalate	**<1.0**	ug/L	3.5	1.0	1	10/10/16 08:35	10/17/16 17:57	84-66-2	
Dimethylphthalate	**<1.9**	ug/L	6.2	1.9	1	10/10/16 08:35	10/17/16 17:57	131-11-3	
bis(2-Ethylhexyl)phthalate	**<0.67**	ug/L	2.2	0.67	1	10/10/16 08:35	10/17/16 17:57	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	67	%	43-130		1	10/10/16 08:35	10/17/16 17:57	4165-60-0	
2-Fluorobiphenyl (S)	66	%	41-130		1	10/10/16 08:35	10/17/16 17:57	321-60-8	
Terphenyl-d14 (S)	68	%	49-130		1	10/10/16 08:35	10/17/16 17:57	1718-51-0	
8260 MSV Oxygenates	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/18/16 12:49	79-34-5	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/18/16 12:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.81**	ug/L	5.0	0.81	1		10/18/16 12:49	76-13-1	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/16 12:49	75-34-3	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/18/16 12:49	75-35-4	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/18/16 12:49	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/18/16 12:49	120-82-1	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/18/16 12:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:49	106-93-4	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	95-50-1	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/18/16 12:49	107-06-2	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:49	78-87-5	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	106-46-7	
2-Butanone (MEK)	**<3.0**	ug/L	20.0	3.0	1		10/18/16 12:49	78-93-3	
2-Hexanone	**<1.1**	ug/L	5.0	1.1	1		10/18/16 12:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/L	5.0	2.1	1		10/18/16 12:49	108-10-1	
Acetone	**<3.0**	ug/L	20.0	3.0	1		10/18/16 12:49	67-64-1	
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	71-43-2	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/18/16 12:49	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	75-27-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 119637 PPG
Pace Project No.: 40139758

Sample: EQUIPMENT BLANK **Lab ID: 40139758015** Collected: 10/06/16 12:30 Received: 10/07/16 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates	Analytical Method: EPA 8260								
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/18/16 12:49	74-83-9	
Carbon disulfide	**<0.61**	ug/L	5.0	0.61	1		10/18/16 12:49	75-15-0	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/18/16 12:49	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/18/16 12:49	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	74-87-3	
Cyclohexane	**<0.88**	ug/L	5.0	0.88	1		10/18/16 12:49	110-82-7	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	124-48-1	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/18/16 12:49	75-71-8	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	100-41-4	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/18/16 12:49	98-82-8	
Methyl acetate	**<2.2**	ug/L	10.0	2.2	1		10/18/16 12:49	79-20-9	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/18/16 12:49	1634-04-4	
Methylcyclohexane	**<2.3**	ug/L	5.0	2.3	1		10/18/16 12:49	108-87-2	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:49	75-09-2	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	100-42-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	108-88-3	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/18/16 12:49	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:49	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/18/16 12:49	75-01-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 12:49	156-59-2	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/18/16 12:49	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/18/16 12:49	95-47-6	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/16 12:49	156-60-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/18/16 12:49	10061-02-6	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1		10/18/16 12:49	1868-53-7	
Toluene-d8 (S)	86	%	70-130		1		10/18/16 12:49	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		10/18/16 12:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

QC Batch: 237776 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758004, 40139758005, 40139758006, 40139758008, 40139758009, 40139758010, 40139758011, 40139758012, 40139758013, 40139758015

METHOD BLANK: 1408883 Matrix: Water
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758004, 40139758005, 40139758006, 40139758008, 40139758009, 40139758010, 40139758011, 40139758012, 40139758013, 40139758015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<5.4	20.0	10/11/16 19:30	
Barium, Dissolved	ug/L	<1.5	5.0	10/11/16 19:30	
Cadmium, Dissolved	ug/L	<1.3	5.0	10/11/16 19:30	
Chromium, Dissolved	ug/L	<2.5	10.0	10/11/16 19:30	
Lead, Dissolved	ug/L	<4.3	13.0	10/11/16 19:30	
Selenium, Dissolved	ug/L	5.7J	20.0	10/11/16 19:30	
Silver, Dissolved	ug/L	<3.2	10.0	10/11/16 19:30	

LABORATORY CONTROL SAMPLE: 1408884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	469	94	80-120	
Barium, Dissolved	ug/L	500	496	99	80-120	
Cadmium, Dissolved	ug/L	500	477	95	80-120	
Chromium, Dissolved	ug/L	500	493	99	80-120	
Lead, Dissolved	ug/L	500	478	96	80-120	
Selenium, Dissolved	ug/L	500	456	91	80-120	
Silver, Dissolved	ug/L	250	235	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1408885 1408886

Parameter	Units	40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	10.7J	500	500	498	501	97	98	75-125	1	20	
Barium, Dissolved	ug/L	97.8	500	500	591	596	99	100	75-125	1	20	
Cadmium, Dissolved	ug/L	<1.3	500	500	482	484	96	97	75-125	0	20	
Chromium, Dissolved	ug/L	<2.5	500	500	496	501	99	100	75-125	1	20	
Lead, Dissolved	ug/L	<4.3	500	500	474	472	94	94	75-125	0	20	
Selenium, Dissolved	ug/L	5.7J	500	500	504	503	100	99	75-125	0	20	
Silver, Dissolved	ug/L	<3.2	250	250	210	215	84	86	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

QC Batch: 238721 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758004, 40139758005, 40139758006, 40139758008, 40139758009, 40139758010, 40139758011, 40139758012, 40139758013, 40139758015

METHOD BLANK: 1414263 Matrix: Water
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758004, 40139758005, 40139758006, 40139758008, 40139758009, 40139758010, 40139758011, 40139758012, 40139758013, 40139758015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.13	0.42	10/21/16 10:26	

LABORATORY CONTROL SAMPLE: 1414264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.8	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1414265 1414266

Parameter	Units	40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.13	5	5	5.0	5.0	100	100	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

QC Batch: 237953 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40139758004, 40139758005, 40139758007, 40139758008, 40139758009, 40139758010

METHOD BLANK: 1409723 Matrix: Water
Associated Lab Samples: 40139758004, 40139758005, 40139758007, 40139758008, 40139758009, 40139758010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/14/16 14:18	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/14/16 14:18	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/14/16 14:18	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.81	5.0	10/14/16 14:18	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/14/16 14:18	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/14/16 14:18	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/14/16 14:18	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/14/16 14:18	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/14/16 14:18	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/14/16 14:18	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/14/16 14:18	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/14/16 14:18	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/14/16 14:18	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/14/16 14:18	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/14/16 14:18	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/14/16 14:18	
2-Hexanone	ug/L	<1.1	5.0	10/14/16 14:18	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/14/16 14:18	
Acetone	ug/L	<3.0	20.0	10/14/16 14:18	
Benzene	ug/L	<0.50	1.0	10/14/16 14:18	
Bromochloromethane	ug/L	<0.34	1.0	10/14/16 14:18	
Bromodichloromethane	ug/L	<0.50	1.0	10/14/16 14:18	
Bromoform	ug/L	<0.50	1.0	10/14/16 14:18	
Bromomethane	ug/L	<2.4	5.0	10/14/16 14:18	
Carbon disulfide	ug/L	<0.61	5.0	10/14/16 14:18	
Carbon tetrachloride	ug/L	<0.50	1.0	10/14/16 14:18	
Chlorobenzene	ug/L	<0.50	1.0	10/14/16 14:18	
Chloroethane	ug/L	<0.37	1.0	10/14/16 14:18	
Chloroform	ug/L	<2.5	5.0	10/14/16 14:18	
Chloromethane	ug/L	<0.50	1.0	10/14/16 14:18	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/14/16 14:18	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/14/16 14:18	
Cyclohexane	ug/L	<0.88	5.0	10/14/16 14:18	
Dibromochloromethane	ug/L	<0.50	1.0	10/14/16 14:18	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/14/16 14:18	
Ethylbenzene	ug/L	<0.50	1.0	10/14/16 14:18	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/14/16 14:18	
m&p-Xylene	ug/L	<1.0	2.0	10/14/16 14:18	
Methyl acetate	ug/L	<2.2	10.0	10/14/16 14:18	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/14/16 14:18	
Methylcyclohexane	ug/L	<2.3	5.0	10/14/16 14:18	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

METHOD BLANK: 1409723 Matrix: Water
Associated Lab Samples: 40139758004, 40139758005, 40139758007, 40139758008, 40139758009, 40139758010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylene Chloride	ug/L	<0.23	1.0	10/14/16 14:18	
o-Xylene	ug/L	<0.50	1.0	10/14/16 14:18	
Styrene	ug/L	<0.50	1.0	10/14/16 14:18	
Tetrachloroethene	ug/L	<0.50	1.0	10/14/16 14:18	
Toluene	ug/L	<0.50	1.0	10/14/16 14:18	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/14/16 14:18	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/14/16 14:18	
Trichloroethene	ug/L	<0.33	1.0	10/14/16 14:18	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/14/16 14:18	
Vinyl chloride	ug/L	<0.18	1.0	10/14/16 14:18	
4-Bromofluorobenzene (S)	%	89	70-130	10/14/16 14:18	
Dibromofluoromethane (S)	%	94	70-130	10/14/16 14:18	
Toluene-d8 (S)	%	96	70-130	10/14/16 14:18	

LABORATORY CONTROL SAMPLE: 1409724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.2	96	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	67-130	
1,1,2-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	45.3	91	50-150	
1,1-Dichloroethane	ug/L	50	40.7	81	70-133	
1,1-Dichloroethene	ug/L	50	41.6	83	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.7	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.1	92	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	70-130	
1,2-Dichlorobenzene	ug/L	50	49.3	99	70-130	
1,2-Dichloroethane	ug/L	50	48.3	97	70-130	
1,2-Dichloropropane	ug/L	50	50.2	100	70-130	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.6	97	70-130	
Benzene	ug/L	50	50.2	100	60-135	
Bromodichloromethane	ug/L	50	50.6	101	70-130	
Bromoform	ug/L	50	46.8	94	70-130	
Bromomethane	ug/L	50	35.4	71	33-130	
Carbon disulfide	ug/L	50	50.0	100	70-139	
Carbon tetrachloride	ug/L	50	51.8	104	70-138	
Chlorobenzene	ug/L	50	53.5	107	70-130	
Chloroethane	ug/L	50	44.2	88	51-130	
Chloroform	ug/L	50	48.0	96	70-130	
Chloromethane	ug/L	50	40.7	81	25-132	
cis-1,2-Dichloroethene	ug/L	50	37.4	75	69-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Cyclohexane	ug/L	50	53.8	108	50-150	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

LABORATORY CONTROL SAMPLE: 1409724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	47.3	95	23-130	
Ethylbenzene	ug/L	50	53.1	106	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	70-140	
m&p-Xylene	ug/L	100	106	106	70-138	
Methyl acetate	ug/L	50	43.4	87	50-150	
Methyl-tert-butyl ether	ug/L	50	38.4	77	66-138	
Methylcyclohexane	ug/L	50	57.2	114	50-150	
Methylene Chloride	ug/L	50	41.8	84	70-130	
o-Xylene	ug/L	50	51.8	104	70-134	
Styrene	ug/L	50	49.6	99	70-133	
Tetrachloroethene	ug/L	50	55.3	111	70-138	
Toluene	ug/L	50	52.4	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.9	82	70-131	
trans-1,3-Dichloropropene	ug/L	50	45.8	92	69-130	
Trichloroethene	ug/L	50	53.5	107	70-130	
Trichlorofluoromethane	ug/L	50	48.2	96	50-150	
Vinyl chloride	ug/L	50	52.3	105	49-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1409725 1409726

Parameter	Units	40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.2	125	125	120	121	96	97	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.62	125	125	121	120	96	96	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.49	125	125	123	122	99	97	70-130	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<2.0	125	125	114	116	91	93	50-150	1	20	
1,1-Dichloroethane	ug/L	<0.60	125	125	101	102	81	81	70-134	1	20	
1,1-Dichloroethene	ug/L	<1.0	125	125	102	105	82	84	68-136	2	20	
1,2,4-Trichlorobenzene	ug/L	<5.5	125	125	122	122	96	97	62-139	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<5.4	125	125	118	114	95	91	50-150	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.44	125	125	131	129	105	103	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<1.2	125	125	127	125	101	100	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.42	125	125	118	114	95	91	70-130	4	20	
1,2-Dichloropropane	ug/L	<0.58	125	125	126	128	101	103	70-130	2	20	
1,3-Dichlorobenzene	ug/L	<1.2	125	125	127	125	101	100	70-131	1	20	
1,4-Dichlorobenzene	ug/L	<1.2	125	125	123	122	98	97	70-130	1	20	
Benzene	ug/L	<1.2	125	125	125	126	100	101	57-138	1	20	
Bromodichloromethane	ug/L	<1.2	125	125	127	127	102	102	70-130	0	20	
Bromoform	ug/L	<1.2	125	125	113	113	91	90	70-130	0	20	
Bromomethane	ug/L	<6.1	125	125	87.4	90.8	70	73	33-130	4	27	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1409725 1409726

Parameter	Units	40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon disulfide	ug/L	<1.5	125	125	124	126	99	101	70-153	2	20	
Carbon tetrachloride	ug/L	<1.2	125	125	129	131	103	105	70-138	1	20	
Chlorobenzene	ug/L	<1.2	125	125	132	130	106	104	70-130	2	20	
Chloroethane	ug/L	<0.94	125	125	107	109	85	87	51-130	2	20	
Chloroform	ug/L	<6.2	125	125	118	118	94	94	70-130	0	20	
Chloromethane	ug/L	<1.2	125	125	99.5	101	80	81	25-132	1	20	
cis-1,2-Dichloroethene	ug/L	<0.64	125	125	94.8	94.0	76	75	61-140	1	20	
cis-1,3-Dichloropropene	ug/L	<1.2	125	125	118	118	94	94	70-130	0	20	
Cyclohexane	ug/L	<2.2	125	125	135	136	108	109	50-150	1	20	
Dibromochloromethane	ug/L	<1.2	125	125	128	126	102	101	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.56	125	125	118	121	94	97	23-130	3	20	
Ethylbenzene	ug/L	<1.2	125	125	132	131	106	105	70-138	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.36	125	125	133	130	106	104	70-152	2	20	
m&p-Xylene	ug/L	<2.5	250	250	267	265	106	106	70-140	1	20	
Methyl acetate	ug/L	<5.4	125	125	104	106	84	85	44-150	2	21	
Methyl-tert-butyl ether	ug/L	<0.44	125	125	96.5	99.0	77	79	66-139	3	20	
Methylcyclohexane	ug/L	<5.8	125	125	158	157	126	126	50-150	0	20	
Methylene Chloride	ug/L	<0.58	125	125	97.2	104	78	83	70-130	6	20	
o-Xylene	ug/L	<1.2	125	125	130	128	104	102	70-134	2	20	
Styrene	ug/L	<1.2	125	125	118	123	94	98	70-138	4	20	
Tetrachloroethene	ug/L	<1.2	125	125	139	139	111	111	70-148	0	20	
Toluene	ug/L	<1.2	125	125	131	130	105	104	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.64	125	125	104	105	83	84	70-133	1	20	
trans-1,3-Dichloropropene	ug/L	<0.57	125	125	116	115	93	92	69-130	1	20	
Trichloroethene	ug/L	<0.83	125	125	131	131	105	105	70-131	0	20	
Trichlorofluoromethane	ug/L	<0.46	125	125	120	120	96	96	50-150	0	20	
Vinyl chloride	ug/L	<0.44	125	125	130	131	104	105	49-133	1	20	
4-Bromofluorobenzene (S)	%						97	99	70-130			
Dibromofluoromethane (S)	%						98	97	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

QC Batch: 238242 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758006, 40139758011, 40139758012, 40139758013, 40139758014, 40139758015

METHOD BLANK: 1411777 Matrix: Water
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758006, 40139758011, 40139758012, 40139758013, 40139758014, 40139758015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/17/16 14:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/17/16 14:38	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/17/16 14:38	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.81	5.0	10/17/16 14:38	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/17/16 14:38	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/17/16 14:38	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/17/16 14:38	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/17/16 14:38	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/17/16 14:38	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/17/16 14:38	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/17/16 14:38	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/17/16 14:38	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/17/16 14:38	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/17/16 14:38	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/17/16 14:38	
2-Butanone (MEK)	ug/L	<3.0	20.0	10/17/16 14:38	
2-Hexanone	ug/L	<1.1	5.0	10/17/16 14:38	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.1	5.0	10/17/16 14:38	
Acetone	ug/L	<3.0	20.0	10/17/16 14:38	
Benzene	ug/L	<0.50	1.0	10/17/16 14:38	
Bromochloromethane	ug/L	<0.34	1.0	10/17/16 14:38	
Bromodichloromethane	ug/L	<0.50	1.0	10/17/16 14:38	
Bromoform	ug/L	<0.50	1.0	10/17/16 14:38	
Bromomethane	ug/L	<2.4	5.0	10/17/16 14:38	
Carbon disulfide	ug/L	<0.61	5.0	10/17/16 14:38	
Carbon tetrachloride	ug/L	<0.50	1.0	10/17/16 14:38	
Chlorobenzene	ug/L	<0.50	1.0	10/17/16 14:38	
Chloroethane	ug/L	<0.37	1.0	10/17/16 14:38	
Chloroform	ug/L	<2.5	5.0	10/17/16 14:38	
Chloromethane	ug/L	<0.50	1.0	10/17/16 14:38	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/17/16 14:38	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/17/16 14:38	
Cyclohexane	ug/L	<0.88	5.0	10/17/16 14:38	
Dibromochloromethane	ug/L	<0.50	1.0	10/17/16 14:38	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/17/16 14:38	
Ethylbenzene	ug/L	<0.50	1.0	10/17/16 14:38	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/17/16 14:38	
m&p-Xylene	ug/L	<1.0	2.0	10/17/16 14:38	
Methyl acetate	ug/L	<2.2	10.0	10/17/16 14:38	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/17/16 14:38	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

METHOD BLANK: 1411777 Matrix: Water

Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758006, 40139758011, 40139758012, 40139758013, 40139758014, 40139758015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylcyclohexane	ug/L	<2.3	5.0	10/17/16 14:38	
Methylene Chloride	ug/L	<0.23	1.0	10/17/16 14:38	
o-Xylene	ug/L	<0.50	1.0	10/17/16 14:38	
Styrene	ug/L	<0.50	1.0	10/17/16 14:38	
Tetrachloroethene	ug/L	<0.50	1.0	10/17/16 14:38	
Toluene	ug/L	<0.50	1.0	10/17/16 14:38	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/17/16 14:38	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/17/16 14:38	
Trichloroethene	ug/L	<0.33	1.0	10/17/16 14:38	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/17/16 14:38	
Vinyl chloride	ug/L	<0.18	1.0	10/17/16 14:38	
4-Bromofluorobenzene (S)	%	85	70-130	10/17/16 14:38	
Dibromofluoromethane (S)	%	96	70-130	10/17/16 14:38	
Toluene-d8 (S)	%	87	70-130	10/17/16 14:38	

LABORATORY CONTROL SAMPLE: 1411778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.1	96	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	39.4	79	67-130	
1,1,2-Trichloroethane	ug/L	50	42.6	85	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.9	112	50-150	
1,1-Dichloroethane	ug/L	50	51.6	103	70-133	
1,1-Dichloroethene	ug/L	50	49.5	99	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.3	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	35.8	72	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	42.8	86	70-130	
1,2-Dichlorobenzene	ug/L	50	45.1	90	70-130	
1,2-Dichloroethane	ug/L	50	47.0	94	70-130	
1,2-Dichloropropane	ug/L	50	50.9	102	70-130	
1,3-Dichlorobenzene	ug/L	50	46.3	93	70-130	
1,4-Dichlorobenzene	ug/L	50	47.3	95	70-130	
Benzene	ug/L	50	51.1	102	60-135	
Bromodichloromethane	ug/L	50	47.4	95	70-130	
Bromoform	ug/L	50	43.6	87	70-130	
Bromomethane	ug/L	50	53.4	107	33-130	
Carbon disulfide	ug/L	50	61.5	123	70-139	
Carbon tetrachloride	ug/L	50	51.4	103	70-138	
Chlorobenzene	ug/L	50	49.2	98	70-130	
Chloroethane	ug/L	50	56.9	114	51-130	
Chloroform	ug/L	50	49.1	98	70-130	
Chloromethane	ug/L	50	50.3	101	25-132	
cis-1,2-Dichloroethene	ug/L	50	45.9	92	69-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

LABORATORY CONTROL SAMPLE: 1411778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	43.2	86	70-130	
Cyclohexane	ug/L	50	58.6	117	50-150	
Dibromochloromethane	ug/L	50	43.4	87	70-130	
Dichlorodifluoromethane	ug/L	50	54.1	108	23-130	
Ethylbenzene	ug/L	50	50.8	102	70-136	
Isopropylbenzene (Cumene)	ug/L	50	52.8	106	70-140	
m&p-Xylene	ug/L	100	105	105	70-138	
Methyl acetate	ug/L	50	39.2	78	50-150	
Methyl-tert-butyl ether	ug/L	50	42.4	85	66-138	
Methylcyclohexane	ug/L	50	55.4	111	50-150	
Methylene Chloride	ug/L	50	49.9	100	70-130	
o-Xylene	ug/L	50	49.7	99	70-134	
Styrene	ug/L	50	51.6	103	70-133	
Tetrachloroethene	ug/L	50	48.6	97	70-138	
Toluene	ug/L	50	49.8	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.5	97	70-131	
trans-1,3-Dichloropropene	ug/L	50	39.3	79	69-130	
Trichloroethene	ug/L	50	51.7	103	70-130	
Trichlorofluoromethane	ug/L	50	57.1	114	50-150	
Vinyl chloride	ug/L	50	59.8	120	49-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412049 1412050

Parameter	Units	40139587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<5.0	50	50	46.9	46.0	94	92	70-134	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<5.0	50	50	42.0	39.7	84	79	67-130	6	20	
1,1,2-Trichloroethane	ug/L	<5.0	50	50	41.8	42.2	84	84	70-130	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.81	50	50	53.7	53.1	107	106	50-150	1	20	
1,1-Dichloroethane	ug/L	<5.0	50	50	50.4	49.0	101	98	70-134	3	20	
1,1-Dichloroethene	ug/L	<5.0	50	50	48.3	46.8	97	94	68-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<10.0	50	50	43.1	43.0	86	86	62-139	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	38.1	37.9	76	76	50-150	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.16	50	50	42.4	41.8	85	84	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<5.0	50	50	46.2	45.0	92	90	70-130	3	20	
1,2-Dichloroethane	ug/L	<5.0	50	50	47.7	44.5	95	89	70-130	7	20	
1,2-Dichloropropane	ug/L	<5.0	50	50	51.5	48.4	103	97	70-130	6	20	
1,3-Dichlorobenzene	ug/L	<5.0	50	50	46.9	45.2	94	90	70-131	4	20	
1,4-Dichlorobenzene	ug/L	<5.0	50	50	48.1	47.0	96	94	70-130	2	20	
Benzene	ug/L	<5.0	50	50	48.6	48.2	97	96	57-138	1	20	
Bromodichloromethane	ug/L	<5.0	50	50	48.9	45.3	98	91	70-130	8	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412049 1412050

Parameter	Units	40139587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromoform	ug/L	<5.0	50	50	41.8	42.3	84	85	70-130	1	20	
Bromomethane	ug/L	<10.0	50	50	57.0	53.1	114	106	33-130	7	27	
Carbon disulfide	ug/L	<1.0	50	50	61.8	54.7	124	109	70-153	12	20	
Carbon tetrachloride	ug/L	<5.0	50	50	50.2	49.2	100	98	70-138	2	20	
Chlorobenzene	ug/L	<5.0	50	50	49.7	47.7	99	95	70-130	4	20	
Chloroethane	ug/L	<10.0	50	50	57.0	55.7	114	111	51-130	2	20	
Chloroform	ug/L	<5.0	50	50	49.8	48.8	100	98	70-130	2	20	
Chloromethane	ug/L	<10.0	50	50	49.6	49.2	99	98	25-132	1	20	
cis-1,2-Dichloroethene	ug/L	<5.0	50	50	44.9	45.2	90	90	61-140	1	20	
cis-1,3-Dichloropropene	ug/L	<10.0	50	50	43.8	39.8	88	80	70-130	9	20	
Cyclohexane	ug/L	<0.88	50	50	55.6	54.6	111	109	50-150	2	20	
Dibromochloromethane	ug/L	<2.0	50	50	42.3	41.5	85	83	70-130	2	20	
Dichlorodifluoromethane	ug/L	<5.0	50	50	49.4	48.5	99	97	23-130	2	20	
Ethylbenzene	ug/L	<5.0	50	50	50.6	45.7	101	91	70-138	10	20	
Isopropylbenzene (Cumene)	ug/L	<5.0	50	50	52.7	46.8	105	94	70-152	12	20	
m&p-Xylene	ug/L	<1.0	100	100	103	88.8	103	89	70-140	15	20	
Methyl acetate	ug/L	<2.2	50	50	42.6	37.3	85	75	44-150	13	21	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	41.0	41.1	82	82	66-139	0	20	
Methylcyclohexane	ug/L	<2.3	50	50	50.4	52.9	101	106	50-150	5	20	
Methylene Chloride	ug/L	<5.0	50	50	51.1	49.9	102	100	70-130	2	20	
o-Xylene	ug/L	<0.50	50	50	49.6	43.2	99	86	70-134	14	20	
Styrene	ug/L	<10.0	50	50	47.8	36.9	96	74	70-138	26	20	R1
Tetrachloroethene	ug/L	<5.0	50	50	45.9	49.5	92	99	70-148	8	20	
Toluene	ug/L	<5.0	50	50	47.4	49.4	95	99	70-130	4	20	
trans-1,2-Dichloroethene	ug/L	<5.0	50	50	48.7	47.1	97	94	70-133	3	20	
trans-1,3-Dichloropropene	ug/L	<10.0	50	50	37.9	37.8	76	76	69-130	0	20	
Trichloroethene	ug/L	<5.0	50	50	51.3	48.3	103	97	70-131	6	20	
Trichlorofluoromethane	ug/L	<5.0	50	50	55.4	54.3	111	109	50-150	2	20	
Vinyl chloride	ug/L	<2.0	50	50	59.6	54.5	119	109	49-133	9	20	
4-Bromofluorobenzene (S)	%						97	88	70-130			
Dibromofluoromethane (S)	%						96	94	70-130			
Toluene-d8 (S)	%						89	93	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

QC Batch: 237559 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758004, 40139758005, 40139758006, 40139758008, 40139758009, 40139758010, 40139758011, 40139758012, 40139758013, 40139758015

METHOD BLANK: 1408139 Matrix: Water
Associated Lab Samples: 40139758001, 40139758002, 40139758003, 40139758004, 40139758005, 40139758006, 40139758008, 40139758009, 40139758010, 40139758011, 40139758012, 40139758013, 40139758015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	10/11/16 09:12	
Butylbenzylphthalate	ug/L	<0.77	2.6	10/11/16 09:12	
Di-n-butylphthalate	ug/L	<2.6	8.5	10/11/16 09:12	
Di-n-octylphthalate	ug/L	<1.9	6.3	10/11/16 09:12	
Diethylphthalate	ug/L	<1.1	3.6	10/11/16 09:12	
Dimethylphthalate	ug/L	<1.9	6.4	10/11/16 09:12	
2,4,6-Tribromophenol (S)	%	58	42-140	10/11/16 09:12	
2-Fluorobiphenyl (S)	%	61	41-130	10/11/16 09:12	
2-Fluorophenol (S)	%	35	27-130	10/11/16 09:12	
Nitrobenzene-d5 (S)	%	62	43-130	10/11/16 09:12	
Phenol-d6 (S)	%	23	15-130	10/11/16 09:12	
Terphenyl-d14 (S)	%	76	49-130	10/11/16 09:12	

LABORATORY CONTROL SAMPLE: 1408140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	50	47.4	95	67-145	
Butylbenzylphthalate	ug/L	50	46.8	94	70-135	
Di-n-butylphthalate	ug/L	50	49.4	99	70-133	
Di-n-octylphthalate	ug/L	50	50.0	100	60-132	
Diethylphthalate	ug/L	50	52.6	105	70-130	
Dimethylphthalate	ug/L	50	48.5	97	70-130	
2,4,6-Tribromophenol (S)	%			83	42-140	
2-Fluorobiphenyl (S)	%			76	41-130	
2-Fluorophenol (S)	%			45	27-130	
Nitrobenzene-d5 (S)	%			81	43-130	
Phenol-d6 (S)	%			28	15-130	
Terphenyl-d14 (S)	%			79	49-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1408198 1408199

Parameter	Units	40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
bis(2-Ethylhexyl)phthalate	ug/L	<5.3	49.5	49.5	48.3	54.4	97	110	54-150	12	20	
Butylbenzylphthalate	ug/L	<6.0	49.5	49.5	53.3	58.0	108	117	70-145	8	20	
Di-n-butylphthalate	ug/L	<19.7	49.5	49.5	35.2J	39.7J	71	80	70-133		20	
Di-n-octylphthalate	ug/L	<14.6	49.5	49.5	45.1J	49.7J	91	100	60-137		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 119637 PPG
Pace Project No.: 40139758

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1408198 1408199

Parameter	Units	40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diethylphthalate	ug/L	<8.3	49.5	49.5	46.4	48.9	94	99	70-130	5	20	
Dimethylphthalate	ug/L	<14.8	49.5	49.5	42.9J	45.9J	87	93	65-132		20	
2-Fluorobiphenyl (S)	%						68	59	41-130			
Nitrobenzene-d5 (S)	%						62	61	43-130			
Terphenyl-d14 (S)	%						61	64	49-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 119637 PPG
Pace Project No.: 40139758

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 119637 PPG
Pace Project No.: 40139758

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139758001	**TF-1**	EPA 6010	237776		
40139758002	**TF-2**	EPA 6010	237776		
40139758003	**TF-4**	EPA 6010	237776		
40139758004	**LW-3**	EPA 6010	237776		
40139758005	**LW-5**	EPA 6010	237776		
40139758006	**MW-9R**	EPA 6010	237776		
40139758008	**MW-11R**	EPA 6010	237776		
40139758009	**MW-13**	EPA 6010	237776		
40139758010	**MW-14**	EPA 6010	237776		
40139758011	**MW-16R**	EPA 6010	237776		
40139758012	**TF-10**	EPA 6010	237776		
40139758013	**TF-20**	EPA 6010	237776		
40139758015	**EQUIPMENT BLANK**	EPA 6010	237776		
40139758001	**TF-1**	EPA 7470	238721	EPA 7470	238797
40139758002	**TF-2**	EPA 7470	238721	EPA 7470	238797
40139758003	**TF-4**	EPA 7470	238721	EPA 7470	238797
40139758004	**LW-3**	EPA 7470	238721	EPA 7470	238797
40139758005	**LW-5**	EPA 7470	238721	EPA 7470	238797
40139758006	**MW-9R**	EPA 7470	238721	EPA 7470	238797
40139758008	**MW-11R**	EPA 7470	238721	EPA 7470	238797
40139758009	**MW-13**	EPA 7470	238721	EPA 7470	238797
40139758010	**MW-14**	EPA 7470	238721	EPA 7470	238797
40139758011	**MW-16R**	EPA 7470	238721	EPA 7470	238797
40139758012	**TF-10**	EPA 7470	238721	EPA 7470	238797
40139758013	**TF-20**	EPA 7470	238721	EPA 7470	238797
40139758015	**EQUIPMENT BLANK**	EPA 7470	238721	EPA 7470	238797
40139758001	**TF-1**	EPA 3510	237559	EPA 8270	237672
40139758002	**TF-2**	EPA 3510	237559	EPA 8270	237672
40139758003	**TF-4**	EPA 3510	237559	EPA 8270	237672
40139758004	**LW-3**	EPA 3510	237559	EPA 8270	237672
40139758005	**LW-5**	EPA 3510	237559	EPA 8270	237672
40139758006	**MW-9R**	EPA 3510	237559	EPA 8270	237672
40139758008	**MW-11R**	EPA 3510	237559	EPA 8270	237672
40139758009	**MW-13**	EPA 3510	237559	EPA 8270	237672
40139758010	**MW-14**	EPA 3510	237559	EPA 8270	237672
40139758011	**MW-16R**	EPA 3510	237559	EPA 8270	237672
40139758012	**TF-10**	EPA 3510	237559	EPA 8270	237672
40139758013	**TF-20**	EPA 3510	237559	EPA 8270	237672
40139758015	**EQUIPMENT BLANK**	EPA 3510	237559	EPA 8270	237672
40139758001	**TF-1**	EPA 8260	238242		
40139758002	**TF-2**	EPA 8260	238242		
40139758003	**TF-4**	EPA 8260	238242		
40139758004	**LW-3**	EPA 8260	237953		
40139758005	**LW-5**	EPA 8260	237953		
40139758006	**MW-9R**	EPA 8260	238242		
40139758007	**MW-10R**	EPA 8260	237953		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 119637 PPG
Pace Project No.: 40139758

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139758008	**MW-11R**	EPA 8260	237953		
40139758009	**MW-13**	EPA 8260	237953		
40139758010	**MW-14**	EPA 8260	237953		
40139758011	**MW-16R**	EPA 8260	238242		
40139758012	**TF-10**	EPA 8260	238242		
40139758013	**TF-20**	EPA 8260	238242		
40139758014	**TRIP BLANK**	EPA 8260	238242		
40139758015	**EQUIPMENT BLANK**	EPA 8260	238242		

C-2: Pace Analytical Services, LLC Electronic Data File

Field ID	Prep Metho	Analysis Me	Parameter	flag	Result	LOD	LOQ	EQL	Dilution	Units	Code	Collection D	Collection T	Analysis Da	Matrix	Project Nam	Project Num	CAS.
TF-1	EPA 6010	EPA 6010	Arsenic, Dissolved		16.2	5.4	20.0	20.0	1	ug/L	J	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7440-38-2
TF-1	EPA 6010	EPA 6010	Barium, Dissolved		115	1.5	5.0	5.0	1	ug/L		10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7440-39-3
TF-1	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7440-43-9
TF-1	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7440-47-3
TF-1	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7439-92-1
TF-1	EPA 6010	EPA 6010	Selenium, D	<	5.6	5.6	20.0	20.0	1	ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7782-49-2
TF-1	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		7440-22-4
TF-1	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/06/16	09:20:00 AM	10/21/16	Water	119637 PPG		7439-97-6
TF-1	EPA 8260	EPA 8260	Acetone		6.0	3.0	20.0	20.0	1	ug/L	J	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		67-64-1
TF-1	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		71-43-2
TF-1	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		74-97-5
TF-1	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-27-4
TF-1	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-25-2
TF-1	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		74-83-9
TF-1	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		78-93-3
TF-1	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-15-0
TF-1	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		56-23-5
TF-1	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		108-90-7
TF-1	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-00-3
TF-1	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		67-66-3
TF-1	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		74-87-3
TF-1	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		110-82-7
TF-1	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		96-12-8
TF-1	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		124-48-1
TF-1	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		106-93-4
TF-1	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		95-50-1
TF-1	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		541-73-1
TF-1	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		106-46-7
TF-1	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-71-8
TF-1	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-34-3
TF-1	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		107-06-2
TF-1	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-35-4
TF-1	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		156-59-2
TF-1	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		156-60-5
TF-1	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		78-87-5
TF-1	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		10061-01-5
TF-1	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		10061-02-6
TF-1	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		100-41-4
TF-1	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		591-78-6
TF-1	EPA 8260	EPA 8260	Isopropylbenzene (Cume		0.26	0.14	1.0	1.0	1	ug/L	J	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		98-82-8
TF-1	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		79-20-9
TF-1	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		108-87-2
TF-1	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-09-2
TF-1	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		108-10-1
TF-1	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		1634-04-4
TF-1	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		95-47-6
TF-1	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		100-42-5
TF-1	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		79-34-5
TF-1	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		127-18-4
TF-1	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		108-88-3
TF-1	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		87-61-6
TF-1	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		120-82-1
TF-1	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		71-55-6
TF-1	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		79-00-5
TF-1	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		79-01-6
TF-1	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-69-4
TF-1	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		76-13-1
TF-1	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		75-01-4
TF-1	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		179601-23-1
TF-1	EPA 8260	EPA 8260	Toluene-d8 (S)		84				1	%		10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		2037-26-5
TF-1	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		83				1	%		10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		460-00-4
TF-1	EPA 8260	EPA 8260	Dibromofluoromethane (S		106				1	%		10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		1868-53-7
TF-1	EPA 3510	EPA 8270	Butylbenzylp	<	0.74	0.74	2.5	2.5	1	ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG		85-68-7

TF-1	EPA 3510	EPA 8270	Diethylphtha	<	1.0	1.0	3.5	3.5	1 ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	84-66-2
TF-1	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1 ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	131-11-3
TF-1	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.2	8.2	1 ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	84-74-2
TF-1	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1 ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	117-84-0
TF-1	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1 ug/L	U	10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	117-81-7
TF-1	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		66				1 %		10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	4165-60-0
TF-1	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		55				1 %		10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	321-60-8
TF-1	EPA 3510	EPA 8270	Terphenyl-d14 (S)		76				1 %		10/06/16	09:20:00 AM	10/11/16	Water	119637 PPG	1718-51-0
TF-2	EPA 6010	EPA 6010	Arsenic, Dissolved		13.0	5.4	20.0	20.0	1 ug/L	J	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7440-38-2
TF-2	EPA 6010	EPA 6010	Barium, Dissolved		118	1.5	5.0	5.0	1 ug/L		10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7440-39-3
TF-2	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7440-43-9
TF-2	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1 ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7440-47-3
TF-2	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1 ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7439-92-1
TF-2	EPA 6010	EPA 6010	Selenium, D	<	5.6	5.6	20.0	20.0	1 ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7782-49-2
TF-2	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1 ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	7440-22-4
TF-2	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1 ug/L	U	10/06/16	10:50:00 AM	10/21/16	Water	119637 PPG	7439-97-6
TF-2	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	67-64-1
TF-2	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	71-43-2
TF-2	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	74-97-5
TF-2	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-27-4
TF-2	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-25-2
TF-2	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	74-83-9
TF-2	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	78-93-3
TF-2	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-15-0
TF-2	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	56-23-5
TF-2	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	108-90-7
TF-2	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-00-3
TF-2	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	67-66-3
TF-2	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	74-87-3
TF-2	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	110-82-7
TF-2	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	96-12-8
TF-2	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	124-48-1
TF-2	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	106-93-4
TF-2	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	95-50-1
TF-2	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	541-73-1
TF-2	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	106-46-7
TF-2	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-71-8
TF-2	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-34-3
TF-2	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	107-06-2
TF-2	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-35-4
TF-2	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	156-59-2
TF-2	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	156-60-5
TF-2	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	78-87-5
TF-2	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	10061-01-5
TF-2	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	10061-02-6
TF-2	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	100-41-4
TF-2	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	591-78-6
TF-2	EPA 8260	EPA 8260	Isopropylbenzene (Cume		13.6	0.14	1.0	1.0	1 ug/L		10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	98-82-8
TF-2	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	79-20-9
TF-2	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	108-87-2
TF-2	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-09-2
TF-2	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	108-10-1
TF-2	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	1634-04-4
TF-2	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	95-47-6
TF-2	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	100-42-5
TF-2	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	79-34-5
TF-2	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	127-18-4
TF-2	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	108-88-3
TF-2	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	87-61-6
TF-2	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	120-82-1
TF-2	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	71-55-6
TF-2	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	79-00-5
TF-2	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	79-01-6
TF-2	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-69-4

TF-2	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	76-13-1
TF-2	EPA 8260	EPA 8260	Vinyl chloride		0.28	0.18	1.0	1.0	1	ug/L	J	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	75-01-4
TF-2	EPA 8260	EPA 8260	m&p-Xylene		1.9	1.0	2.0	2.0	1	ug/L	J	10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	179601-23-1
TF-2	EPA 8260	EPA 8260	Toluene-d8 (S)		79				1	%		10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	2037-26-5
TF-2	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		89				1	%		10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	460-00-4
TF-2	EPA 8260	EPA 8260	Dibromofluoromethane (S		108				1	%		10/06/16	10:50:00 AM	10/18/16	Water	119637 PPG	1868-53-7
TF-2	EPA 3510	EPA 8270	Butylbenzylp	<	0.75	0.75	2.5	2.5	1	ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	85-68-7
TF-2	EPA 3510	EPA 8270	Diethylphtha	<	1.1	1.1	3.5	3.5	1	ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	84-66-2
TF-2	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	131-11-3
TF-2	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.3	8.3	1	ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	84-74-2
TF-2	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1	ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	117-84-0
TF-2	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1	ug/L	U	10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	117-81-7
TF-2	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		82				1	%		10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	4165-60-0
TF-2	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		70				1	%		10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	321-60-8
TF-2	EPA 3510	EPA 8270	Terphenyl-d14 (S)		84				1	%		10/06/16	10:50:00 AM	10/11/16	Water	119637 PPG	1718-51-0
TF-4	EPA 6010	EPA 6010	Arsenic, Dissolved		12.7	5.4	20.0	20.0	1	ug/L	J	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7440-38-2
TF-4	EPA 6010	EPA 6010	Barium, Dissolved		98.1	1.5	5.0	5.0	1	ug/L		10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7440-39-3
TF-4	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7440-43-9
TF-4	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7440-47-3
TF-4	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7439-92-1
TF-4	EPA 6010	EPA 6010	Selenium, Dissolved		6.1	5.6	20.0	20.0	1	ug/L	JB	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7782-49-2
TF-4	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	7440-22-4
TF-4	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/06/16	12:20:00 PM	10/21/16	Water	119637 PPG	7439-97-6
TF-4	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	67-64-1
TF-4	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	71-43-2
TF-4	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	74-97-5
TF-4	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-27-4
TF-4	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-25-2
TF-4	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	74-83-9
TF-4	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	78-93-3
TF-4	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-15-0
TF-4	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	56-23-5
TF-4	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	108-90-7
TF-4	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-00-3
TF-4	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	67-66-3
TF-4	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	74-87-3
TF-4	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	110-82-7
TF-4	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	96-12-8
TF-4	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	124-48-1
TF-4	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	106-93-4
TF-4	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	95-50-1
TF-4	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	541-73-1
TF-4	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	106-46-7
TF-4	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-71-8
TF-4	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-34-3
TF-4	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	107-06-2
TF-4	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-35-4
TF-4	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	156-59-2
TF-4	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	156-60-5
TF-4	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	78-87-5
TF-4	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	10061-01-5
TF-4	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	10061-02-6
TF-4	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	100-41-4
TF-4	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	591-78-6
TF-4	EPA 8260	EPA 8260	Isopropylbenzene (Cume		0.20	0.14	1.0	1.0	1	ug/L	J	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	98-82-8
TF-4	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	79-20-9
TF-4	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	108-87-2
TF-4	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-09-2
TF-4	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	108-10-1
TF-4	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	1634-04-4
TF-4	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	95-47-6
TF-4	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	100-42-5
TF-4	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	79-34-5
TF-4	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	127-18-4

TF-4	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	108-88-3
TF-4	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	87-61-6
TF-4	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	120-82-1
TF-4	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	71-55-6
TF-4	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	79-00-5
TF-4	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	79-01-6
TF-4	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-69-4
TF-4	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	76-13-1
TF-4	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	75-01-4
TF-4	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	179601-23-1
TF-4	EPA 8260	EPA 8260	Toluene-d8 (S)		79				1	%		10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	2037-26-5
TF-4	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		83				1	%		10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	460-00-4
TF-4	EPA 8260	EPA 8260	Dibromofluoromethane (S		103				1	%		10/06/16	12:20:00 PM	10/18/16	Water	119637 PPG	1868-53-7
TF-4	EPA 3510	EPA 8270	Butylbenzylp	<	0.74	0.74	2.5	2.5	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	85-68-7
TF-4	EPA 3510	EPA 8270	Diethylphtha	<	1.0	1.0	3.5	3.5	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	84-66-2
TF-4	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	131-11-3
TF-4	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.2	8.2	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	84-74-2
TF-4	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	117-84-0
TF-4	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1	ug/L	U	10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	117-81-7
TF-4	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		81				1	%		10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	4165-60-0
TF-4	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		66				1	%		10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	321-60-8
TF-4	EPA 3510	EPA 8270	Terphenyl-d14 (S)		77				1	%		10/06/16	12:20:00 PM	10/11/16	Water	119637 PPG	1718-51-0
LW-3	EPA 6010	EPA 6010	Arsenic, Dissolved		6.6	5.4	20.0	20.0	1	ug/L	J	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7440-38-2
LW-3	EPA 6010	EPA 6010	Barium, Dissolved		129	1.5	5.0	5.0	1	ug/L		10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7440-39-3
LW-3	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7440-43-9
LW-3	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7440-47-3
LW-3	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7439-92-1
LW-3	EPA 6010	EPA 6010	Selenium, D	<	5.6	5.6	20.0	20.0	1	ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7782-49-2
LW-3	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	7440-22-4
LW-3	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/05/16	03:45:00 PM	10/21/16	Water	119637 PPG	7439-97-6
LW-3	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	67-64-1
LW-3	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	71-43-2
LW-3	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	74-97-5
LW-3	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-27-4
LW-3	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-25-2
LW-3	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	74-83-9
LW-3	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	78-93-3
LW-3	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-15-0
LW-3	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	56-23-5
LW-3	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	108-90-7
LW-3	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-00-3
LW-3	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	67-66-3
LW-3	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	74-87-3
LW-3	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	110-82-7
LW-3	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	96-12-8
LW-3	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	124-48-1
LW-3	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	106-93-4
LW-3	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	95-50-1
LW-3	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	541-73-1
LW-3	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	106-46-7
LW-3	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-71-8
LW-3	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-34-3
LW-3	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	107-06-2
LW-3	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-35-4
LW-3	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	156-59-2
LW-3	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	156-60-5
LW-3	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	78-87-5
LW-3	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	10061-01-5
LW-3	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	10061-02-6
LW-3	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	100-41-4
LW-3	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	591-78-6
LW-3	EPA 8260	EPA 8260	Isopropylber	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	98-82-8
LW-3	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	79-20-9
LW-3	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	108-87-2

LW-3	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-09-2
LW-3	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	108-10-1
LW-3	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	1634-04-4
LW-3	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	95-47-6
LW-3	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	100-42-5
LW-3	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	79-34-5
LW-3	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	127-18-4
LW-3	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	108-88-3
LW-3	EPA 8260	EPA 8260	1,2,3-Trichlo	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	87-61-6
LW-3	EPA 8260	EPA 8260	1,2,4-Trichlo	<	2.2	2.2	5.0	5.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	120-82-1
LW-3	EPA 8260	EPA 8260	1,1,1-Trichlo	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	71-55-6
LW-3	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.20	0.20	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	79-00-5
LW-3	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	79-01-6
LW-3	EPA 8260	EPA 8260	Trichlorofluo	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-69-4
LW-3	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.81	0.81	5.0	5.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	76-13-1
LW-3	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	75-01-4
LW-3	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1 ug/L	U	10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	179601-23-1
LW-3	EPA 8260	EPA 8260	Toluene-d8 (S)		98				1 %		10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	2037-26-5
LW-3	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		90				1 %		10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	460-00-4
LW-3	EPA 8260	EPA 8260	Dibromofluoromethane (S		94				1 %		10/05/16	03:45:00 PM	10/14/16	Water	119637 PPG	1868-53-7
LW-3	EPA 3510	EPA 8270	Butylbenzylp	<	0.78	0.78	2.6	2.6	1 ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	85-68-7
LW-3	EPA 3510	EPA 8270	Diethylphtha	<	1.1	1.1	3.6	3.6	1 ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	84-66-2
LW-3	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.5	6.5	1 ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	131-11-3
LW-3	EPA 3510	EPA 8270	Di-n-butylph	<	2.6	2.6	8.6	8.6	1 ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	84-74-2
LW-3	EPA 3510	EPA 8270	Di-n-octylph	<	1.9	1.9	6.4	6.4	1 ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	117-84-0
LW-3	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.70	0.70	2.3	2.3	1 ug/L	U	10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	117-81-7
LW-3	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		72				1 %		10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	4165-60-0
LW-3	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		64				1 %		10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	321-60-8
LW-3	EPA 3510	EPA 8270	Terphenyl-d14 (S)		75				1 %		10/05/16	03:45:00 PM	10/11/16	Water	119637 PPG	1718-51-0
LW-5	EPA 6010	EPA 6010	Arsenic, Dissolved		10.7	5.4	20.0	20.0	1 ug/L	J	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7440-38-2
LW-5	EPA 6010	EPA 6010	Barium, Dissolved		97.8	1.5	5.0	5.0	1 ug/L		10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7440-39-3
LW-5	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1 ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7440-43-9
LW-5	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1 ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7440-47-3
LW-5	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1 ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7439-92-1
LW-5	EPA 6010	EPA 6010	Selenium, Dissolved		5.7	5.6	20.0	20.0	1 ug/L	JB	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7782-49-2
LW-5	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1 ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	7440-22-4
LW-5	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1 ug/L	U	10/06/16	07:40:00 AM	10/21/16	Water	119637 PPG	7439-97-6
LW-5	EPA 8260	EPA 8260	Acetone	<	7.4	7.4	50.0	50.0	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	67-64-1
LW-5	EPA 8260	EPA 8260	Benzene	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	71-43-2
LW-5	EPA 8260	EPA 8260	Bromochlor	<	0.85	0.85	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	74-97-5
LW-5	EPA 8260	EPA 8260	Bromodichlo	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-27-4
LW-5	EPA 8260	EPA 8260	Bromoform	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-25-2
LW-5	EPA 8260	EPA 8260	Bromometha	<	6.1	6.1	12.5	12.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	74-83-9
LW-5	EPA 8260	EPA 8260	2-Butanone	<	7.4	7.4	50.0	50.0	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	78-93-3
LW-5	EPA 8260	EPA 8260	Carbon disu	<	1.5	1.5	12.5	12.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-15-0
LW-5	EPA 8260	EPA 8260	Carbon tetra	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	56-23-5
LW-5	EPA 8260	EPA 8260	Chlorobenze	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	108-90-7
LW-5	EPA 8260	EPA 8260	Chloroethan	<	0.94	0.94	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-00-3
LW-5	EPA 8260	EPA 8260	Chloroform	<	6.2	6.2	12.5	12.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	67-66-3
LW-5	EPA 8260	EPA 8260	Chlorometha	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	74-87-3
LW-5	EPA 8260	EPA 8260	Cyclohexan	<	2.2	2.2	12.5	12.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	110-82-7
LW-5	EPA 8260	EPA 8260	1,2-Dibromo	<	5.4	5.4	12.5	12.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	96-12-8
LW-5	EPA 8260	EPA 8260	Dibromochlo	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	124-48-1
LW-5	EPA 8260	EPA 8260	1,2-Dibromo	<	0.44	0.44	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	106-93-4
LW-5	EPA 8260	EPA 8260	1,2-Dichloro	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	95-50-1
LW-5	EPA 8260	EPA 8260	1,3-Dichloro	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	541-73-1
LW-5	EPA 8260	EPA 8260	1,4-Dichloro	<	1.2	1.2	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	106-46-7
LW-5	EPA 8260	EPA 8260	Dichlorodiflu	<	0.56	0.56	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-71-8
LW-5	EPA 8260	EPA 8260	1,1-Dichloro	<	0.60	0.60	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-34-3
LW-5	EPA 8260	EPA 8260	1,2-Dichloro	<	0.42	0.42	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	107-06-2
LW-5	EPA 8260	EPA 8260	1,1-Dichloro	<	1.0	1.0	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-35-4
LW-5	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.64	0.64	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	156-59-2
LW-5	EPA 8260	EPA 8260	trans-1,2-Di	<	0.64	0.64	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	156-60-5
LW-5	EPA 8260	EPA 8260	1,2-Dichloro	<	0.58	0.58	2.5	2.5	2.5 ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	78-87-5

LW-5	EPA 8260	EPA 8260	cis-1,3-Dichl	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	10061-01-5
LW-5	EPA 8260	EPA 8260	trans-1,3-Di	<	0.57	0.57	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	10061-02-6
LW-5	EPA 8260	EPA 8260	Ethylbenzen	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	100-41-4
LW-5	EPA 8260	EPA 8260	2-Hexanone	<	2.8	2.8	12.5	12.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	591-78-6
LW-5	EPA 8260	EPA 8260	Isopropylbe	<	0.36	0.36	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	98-82-8
LW-5	EPA 8260	EPA 8260	Methyl aceta	<	5.4	5.4	25.0	25.0	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	79-20-9
LW-5	EPA 8260	EPA 8260	Methylcyclol	<	5.8	5.8	12.5	12.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	108-87-2
LW-5	EPA 8260	EPA 8260	Methylene C	<	0.58	0.58	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-09-2
LW-5	EPA 8260	EPA 8260	4-Methyl-2-p	<	5.4	5.4	12.5	12.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	108-10-1
LW-5	EPA 8260	EPA 8260	Methyl-tert-b	<	0.44	0.44	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	1634-04-4
LW-5	EPA 8260	EPA 8260	o-Xylene	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	95-47-6
LW-5	EPA 8260	EPA 8260	Styrene	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	100-42-5
LW-5	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.62	0.62	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	79-34-5
LW-5	EPA 8260	EPA 8260	Tetrachloroe	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	127-18-4
LW-5	EPA 8260	EPA 8260	Toluene	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	108-88-3
LW-5	EPA 8260	EPA 8260	1,2,3-Trichlo	<	5.3	5.3	12.5	12.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	87-61-6
LW-5	EPA 8260	EPA 8260	1,2,4-Trichlo	<	5.5	5.5	12.5	12.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	120-82-1
LW-5	EPA 8260	EPA 8260	1,1,1-Trichlo	<	1.2	1.2	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	71-55-6
LW-5	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.49	0.49	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	79-00-5
LW-5	EPA 8260	EPA 8260	Trichloroeth	<	0.83	0.83	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	79-01-6
LW-5	EPA 8260	EPA 8260	Trichlorofluo	<	0.46	0.46	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-69-4
LW-5	EPA 8260	EPA 8260	1,1,2-Trichlo	<	2.0	2.0	12.5	12.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	76-13-1
LW-5	EPA 8260	EPA 8260	Vinyl chlorid	<	0.44	0.44	2.5	2.5	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	75-01-4
LW-5	EPA 8260	EPA 8260	m&p-Xylene	<	2.5	2.5	5.0	5.0	2.5	ug/L	U	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	179601-23-1
LW-5	EPA 8260	EPA 8260	Toluene-d8 (S)		99				2.5	%		10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	2037-26-5
LW-5	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		85				2.5	%		10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	460-00-4
LW-5	EPA 8260	EPA 8260	Dibromofluoromethane (S		95				2.5	%	D3	10/06/16	07:40:00 AM	10/14/16	Water	119637 PPG	1868-53-7
LW-5	EPA 3510	EPA 8270	Butylbenzylp	<	6.0	6.0	19.8	19.8	8	ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	85-68-7
LW-5	EPA 3510	EPA 8270	Diethylphtha	<	8.3	8.3	27.8	27.8	8	ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	84-66-2
LW-5	EPA 3510	EPA 8270	Dimethylpht	<	14.8	14.8	49.5	49.5	8	ug/L	UD3	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	131-11-3
LW-5	EPA 3510	EPA 8270	Di-n-butylph	<	19.7	19.7	65.7	65.7	8	ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	84-74-2
LW-5	EPA 3510	EPA 8270	Di-n-octylph	<	14.6	14.6	48.5	48.5	8	ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	117-84-0
LW-5	EPA 3510	EPA 8270	bis(2-Ethylh	<	5.3	5.3	17.8	17.8	8	ug/L	U	10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	117-81-7
LW-5	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		59				8	%		10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	4165-60-0
LW-5	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		64				8	%		10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	321-60-8
LW-5	EPA 3510	EPA 8270	Terphenyl-d14 (S)		70				8	%		10/06/16	07:40:00 AM	10/11/16	Water	119637 PPG	1718-51-0
MW-9R	EPA 6010	EPA 6010	Arsenic, Dissolved		6.5	5.4	20.0	20.0	1	ug/L	J	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7440-38-2
MW-9R	EPA 6010	EPA 6010	Barium, Dissolved		265	1.5	5.0	5.0	1	ug/L		10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7440-39-3
MW-9R	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7440-43-9
MW-9R	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7440-47-3
MW-9R	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7439-92-1
MW-9R	EPA 6010	EPA 6010	Selenium, D	<	5.6	5.6	20.0	20.0	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7782-49-2
MW-9R	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	7440-22-4
MW-9R	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/05/16	02:30:00 PM	10/21/16	Water	119637 PPG	7439-97-6
MW-9R	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	67-64-1
MW-9R	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	71-43-2
MW-9R	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	74-97-5
MW-9R	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-27-4
MW-9R	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-25-2
MW-9R	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	74-83-9
MW-9R	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	78-93-3
MW-9R	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-15-0
MW-9R	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	56-23-5
MW-9R	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	108-90-7
MW-9R	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-00-3
MW-9R	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	67-66-3
MW-9R	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	74-87-3
MW-9R	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	110-82-7
MW-9R	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	96-12-8
MW-9R	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	124-48-1
MW-9R	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	106-93-4
MW-9R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	95-50-1
MW-9R	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	541-73-1
MW-9R	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	106-46-7

MW-9R	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-71-8
MW-9R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-34-3
MW-9R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	107-06-2
MW-9R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-35-4
MW-9R	EPA 8260	EPA 8260	cis-1,2-Dichl	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	156-59-2
MW-9R	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	156-60-5
MW-9R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	78-87-5
MW-9R	EPA 8260	EPA 8260	cis-1,3-Dichl	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	10061-01-5
MW-9R	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	10061-02-6
MW-9R	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	100-41-4
MW-9R	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	591-78-6
MW-9R	EPA 8260	EPA 8260	Isopropylber	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	98-82-8
MW-9R	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	79-20-9
MW-9R	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	108-87-2
MW-9R	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-09-2
MW-9R	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	108-10-1
MW-9R	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	1634-04-4
MW-9R	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	95-47-6
MW-9R	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	100-42-5
MW-9R	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	79-34-5
MW-9R	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	127-18-4
MW-9R	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	108-88-3
MW-9R	EPA 8260	EPA 8260	1,2,3-Trichlo	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	87-61-6
MW-9R	EPA 8260	EPA 8260	1,2,4-Trichlo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	120-82-1
MW-9R	EPA 8260	EPA 8260	1,1,1-Trichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	71-55-6
MW-9R	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	79-00-5
MW-9R	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	79-01-6
MW-9R	EPA 8260	EPA 8260	Trichlorofluo	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-69-4
MW-9R	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	76-13-1
MW-9R	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	75-01-4
MW-9R	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	179601-23-1
MW-9R	EPA 8260	EPA 8260	Toluene-d8 (S)		85				1	%		10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	2037-26-5
MW-9R	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		82				1	%		10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	460-00-4
MW-9R	EPA 8260	EPA 8260	Dibromofluoromethane (S		104				1	%		10/05/16	02:30:00 PM	10/18/16	Water	119637 PPG	1868-53-7
MW-9R	EPA 3510	EPA 8270	Butylbenzylp	<	0.74	0.74	2.5	2.5	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	85-68-7
MW-9R	EPA 3510	EPA 8270	Diethylphtha	<	1.0	1.0	3.5	3.5	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	84-66-2
MW-9R	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	131-11-3
MW-9R	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.2	8.2	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	84-74-2
MW-9R	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	117-84-0
MW-9R	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1	ug/L	U	10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	117-81-7
MW-9R	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		82				1	%		10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	4165-60-0
MW-9R	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		73				1	%		10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	321-60-8
MW-9R	EPA 3510	EPA 8270	Terphenyl-d14 (S)		88				1	%		10/05/16	02:30:00 PM	10/11/16	Water	119637 PPG	1718-51-0
MW-10R	EPA 8260	EPA 8260	Acetone		34.3	3.0	20.0	20.0	1	ug/L		10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	67-64-1
MW-10R	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	71-43-2
MW-10R	EPA 8260	EPA 8260	Bromochlor	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	74-97-5
MW-10R	EPA 8260	EPA 8260	Bromodichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-27-4
MW-10R	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-25-2
MW-10R	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	74-83-9
MW-10R	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	78-93-3
MW-10R	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-15-0
MW-10R	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	56-23-5
MW-10R	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	108-90-7
MW-10R	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-00-3
MW-10R	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	67-66-3
MW-10R	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	74-87-3
MW-10R	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	110-82-7
MW-10R	EPA 8260	EPA 8260	1,2-Dibromo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	96-12-8
MW-10R	EPA 8260	EPA 8260	Dibromochlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	124-48-1
MW-10R	EPA 8260	EPA 8260	1,2-Dibromo	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	106-93-4
MW-10R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	95-50-1
MW-10R	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	541-73-1
MW-10R	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	106-46-7
MW-10R	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-71-8

MW-10R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-34-3
MW-10R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	107-06-2
MW-10R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-35-4
MW-10R	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	156-59-2
MW-10R	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	156-60-5
MW-10R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	78-87-5
MW-10R	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	10061-01-5
MW-10R	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	10061-02-6
MW-10R	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	100-41-4
MW-10R	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	591-78-6
MW-10R	EPA 8260	EPA 8260	Isopropylbe	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	98-82-8
MW-10R	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	79-20-9
MW-10R	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	108-87-2
MW-10R	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-09-2
MW-10R	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	108-10-1
MW-10R	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	1634-04-4
MW-10R	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	95-47-6
MW-10R	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	100-42-5
MW-10R	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	79-34-5
MW-10R	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	127-18-4
MW-10R	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	108-88-3
MW-10R	EPA 8260	EPA 8260	1,2,3-Trichlo	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	87-61-6
MW-10R	EPA 8260	EPA 8260	1,2,4-Trichlo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	120-82-1
MW-10R	EPA 8260	EPA 8260	1,1,1-Trichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	71-55-6
MW-10R	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	79-00-5
MW-10R	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	79-01-6
MW-10R	EPA 8260	EPA 8260	Trichlorofluo	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-69-4
MW-10R	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	76-13-1
MW-10R	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	75-01-4
MW-10R	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	179601-23-1
MW-10R	EPA 8260	EPA 8260	Toluene-d8 (S)		98				1	%		10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	2037-26-5
MW-10R	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		88				1	%		10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	460-00-4
MW-10R	EPA 8260	EPA 8260	Dibromofluoromethane (S		95				1	%		10/05/16	11:10:00 AM	10/14/16	Water	119637 PPG	1868-53-7
MW-11R	EPA 6010	EPA 6010	Arsenic, Dis	<	5.4	5.4	20.0	20.0	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7440-38-2
MW-11R	EPA 6010	EPA 6010	Barium, Dissolved		152	1.5	5.0	5.0	1	ug/L		10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7440-39-3
MW-11R	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7440-43-9
MW-11R	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7440-47-3
MW-11R	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7439-92-1
MW-11R	EPA 6010	EPA 6010	Selenium, D	<	5.6	5.6	20.0	20.0	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7782-49-2
MW-11R	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	7440-22-4
MW-11R	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/05/16	10:00:00 AM	10/21/16	Water	119637 PPG	7439-97-6
MW-11R	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	67-64-1
MW-11R	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	71-43-2
MW-11R	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	74-97-5
MW-11R	EPA 8260	EPA 8260	Bromodichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-27-4
MW-11R	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-25-2
MW-11R	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	74-83-9
MW-11R	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	78-93-3
MW-11R	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-15-0
MW-11R	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	56-23-5
MW-11R	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	108-90-7
MW-11R	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-00-3
MW-11R	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	67-66-3
MW-11R	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	74-87-3
MW-11R	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	110-82-7
MW-11R	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	96-12-8
MW-11R	EPA 8260	EPA 8260	Dibromochlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	124-48-1
MW-11R	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	106-93-4
MW-11R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	95-50-1
MW-11R	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	541-73-1
MW-11R	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	106-46-7
MW-11R	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-71-8
MW-11R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-34-3
MW-11R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	107-06-2

MW-11R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-35-4
MW-11R	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	156-59-2
MW-11R	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	156-60-5
MW-11R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	78-87-5
MW-11R	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	10061-01-5
MW-11R	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	10061-02-6
MW-11R	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	100-41-4
MW-11R	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	591-78-6
MW-11R	EPA 8260	EPA 8260	Isopropylbe	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	98-82-8
MW-11R	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	79-20-9
MW-11R	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	108-87-2
MW-11R	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-09-2
MW-11R	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	108-10-1
MW-11R	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	1634-04-4
MW-11R	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	95-47-6
MW-11R	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	100-42-5
MW-11R	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	79-34-5
MW-11R	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	127-18-4
MW-11R	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	108-88-3
MW-11R	EPA 8260	EPA 8260	1,2,3-Trichlo	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	87-61-6
MW-11R	EPA 8260	EPA 8260	1,2,4-Trichlo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	120-82-1
MW-11R	EPA 8260	EPA 8260	1,1,1-Trichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	71-55-6
MW-11R	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	79-00-5
MW-11R	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	79-01-6
MW-11R	EPA 8260	EPA 8260	Trichlorofluo	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-69-4
MW-11R	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	76-13-1
MW-11R	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	75-01-4
MW-11R	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	179601-23-1
MW-11R	EPA 8260	EPA 8260	Toluene-d8 (S)		97				1	%		10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	2037-26-5
MW-11R	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		84				1	%		10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	460-00-4
MW-11R	EPA 8260	EPA 8260	Dibromofluoromethane (S		96				1	%		10/05/16	10:00:00 AM	10/14/16	Water	119637 PPG	1868-53-7
MW-11R	EPA 3510	EPA 8270	Butylbenzylp	<	0.77	0.77	2.6	2.6	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	85-68-7
MW-11R	EPA 3510	EPA 8270	Diethylphtha	<	1.1	1.1	3.6	3.6	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	84-66-2
MW-11R	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.4	6.4	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	131-11-3
MW-11R	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.5	8.5	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	84-74-2
MW-11R	EPA 3510	EPA 8270	Di-n-octylph	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	117-84-0
MW-11R	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.69	0.69	2.3	2.3	1	ug/L	U	10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	117-81-7
MW-11R	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		80				1	%		10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	4165-60-0
MW-11R	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		66				1	%		10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	321-60-8
MW-11R	EPA 3510	EPA 8270	Terphenyl-d14 (S)		76				1	%		10/05/16	10:00:00 AM	10/11/16	Water	119637 PPG	1718-51-0
MW-13	EPA 6010	EPA 6010	Arsenic, Dissolved		7.1	5.4	20.0	20.0	1	ug/L	J	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7440-38-2
MW-13	EPA 6010	EPA 6010	Barium, Dissolved		145	1.5	5.0	5.0	1	ug/L		10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7440-39-3
MW-13	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7440-43-9
MW-13	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7440-47-3
MW-13	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7439-92-1
MW-13	EPA 6010	EPA 6010	Selenium, Dissolved		6.0	5.6	20.0	20.0	1	ug/L	JB	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7782-49-2
MW-13	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	7440-22-4
MW-13	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/05/16	08:15:00 AM	10/21/16	Water	119637 PPG	7439-97-6
MW-13	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	67-64-1
MW-13	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	71-43-2
MW-13	EPA 8260	EPA 8260	Bromochlor	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	74-97-5
MW-13	EPA 8260	EPA 8260	Bromodichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-27-4
MW-13	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-25-2
MW-13	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	74-83-9
MW-13	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	78-93-3
MW-13	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-15-0
MW-13	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	56-23-5
MW-13	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	108-90-7
MW-13	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-00-3
MW-13	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	67-66-3
MW-13	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	74-87-3
MW-13	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	110-82-7
MW-13	EPA 8260	EPA 8260	1,2-Dibromo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	96-12-8
MW-13	EPA 8260	EPA 8260	Dibromochlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	124-48-1

MW-13	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	106-93-4
MW-13	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	95-50-1
MW-13	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	541-73-1
MW-13	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	106-46-7
MW-13	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-71-8
MW-13	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-34-3
MW-13	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	107-06-2
MW-13	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-35-4
MW-13	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	156-59-2
MW-13	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	156-60-5
MW-13	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	78-87-5
MW-13	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	10061-01-5
MW-13	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	10061-02-6
MW-13	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	100-41-4
MW-13	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	591-78-6
MW-13	EPA 8260	EPA 8260	Isopropylbe	<	0.14	0.14	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	98-82-8
MW-13	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	79-20-9
MW-13	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	108-87-2
MW-13	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-09-2
MW-13	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	108-10-1
MW-13	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	1634-04-4
MW-13	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	95-47-6
MW-13	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	100-42-5
MW-13	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	79-34-5
MW-13	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	127-18-4
MW-13	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	108-88-3
MW-13	EPA 8260	EPA 8260	1,2,3-Trichlo	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	87-61-6
MW-13	EPA 8260	EPA 8260	1,2,4-Trichlo	<	2.2	2.2	5.0	5.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	120-82-1
MW-13	EPA 8260	EPA 8260	1,1,1-Trichlo	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	71-55-6
MW-13	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.20	0.20	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	79-00-5
MW-13	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	79-01-6
MW-13	EPA 8260	EPA 8260	Trichlorofluo	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-69-4
MW-13	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.81	0.81	5.0	5.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	76-13-1
MW-13	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	75-01-4
MW-13	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1 ug/L	U	10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	179601-23-1
MW-13	EPA 8260	EPA 8260	Toluene-d8 (S)		98				1 %		10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	2037-26-5
MW-13	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		88				1 %		10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	460-00-4
MW-13	EPA 8260	EPA 8260	Dibromofluoromethane (S		94				1 %		10/05/16	08:15:00 AM	10/14/16	Water	119637 PPG	1868-53-7
MW-13	EPA 3510	EPA 8270	Butylbenzylp	<	0.74	0.74	2.5	2.5	1 ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	85-68-7
MW-13	EPA 3510	EPA 8270	Diethylphtha	<	1.0	1.0	3.5	3.5	1 ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	84-66-2
MW-13	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1 ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	131-11-3
MW-13	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.2	8.2	1 ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	84-74-2
MW-13	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1 ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	117-84-0
MW-13	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1 ug/L	U	10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	117-81-7
MW-13	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		87				1 %		10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	4165-60-0
MW-13	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		75				1 %		10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	321-60-8
MW-13	EPA 3510	EPA 8270	Terphenyl-d14 (S)		86				1 %		10/05/16	08:15:00 AM	10/11/16	Water	119637 PPG	1718-51-0
MW-14	EPA 6010	EPA 6010	Arsenic, Dissolved		7.1	5.4	20.0	20.0	1 ug/L	J	10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7440-38-2
MW-14	EPA 6010	EPA 6010	Barium, Dissolved		108	1.5	5.0	5.0	1 ug/L		10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7440-39-3
MW-14	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1 ug/L	U	10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7440-43-9
MW-14	EPA 6010	EPA 6010	Chromium, Dissolved		3.7	2.5	10.0	10.0	1 ug/L	J	10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7440-47-3
MW-14	EPA 6010	EPA 6010	Lead, Disso	<	4.3	4.3	13.0	13.0	1 ug/L	U	10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7439-92-1
MW-14	EPA 6010	EPA 6010	Selenium, D	<	5.6	5.6	20.0	20.0	1 ug/L	U	10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7782-49-2
MW-14	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1 ug/L	U	10/05/16	11:55:00 AM	10/11/16	Water	119637 PPG	7440-22-4
MW-14	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1 ug/L	U	10/05/16	11:55:00 AM	10/21/16	Water	119637 PPG	7439-97-6
MW-14	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	67-64-1
MW-14	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	71-43-2
MW-14	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	74-97-5
MW-14	EPA 8260	EPA 8260	Bromodichlo	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-27-4
MW-14	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-25-2
MW-14	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	74-83-9
MW-14	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	78-93-3
MW-14	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-15-0
MW-14	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	56-23-5

MW-14	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	108-90-7
MW-14	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-00-3
MW-14	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	67-66-3
MW-14	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	74-87-3
MW-14	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	110-82-7
MW-14	EPA 8260	EPA 8260	1,2-Dibromo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	96-12-8
MW-14	EPA 8260	EPA 8260	Dibromochlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	124-48-1
MW-14	EPA 8260	EPA 8260	1,2-Dibromo	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	106-93-4
MW-14	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	95-50-1
MW-14	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	541-73-1
MW-14	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	106-46-7
MW-14	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-71-8
MW-14	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-34-3
MW-14	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	107-06-2
MW-14	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-35-4
MW-14	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	156-59-2
MW-14	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	156-60-5
MW-14	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	78-87-5
MW-14	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	10061-01-5
MW-14	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	10061-02-6
MW-14	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	100-41-4
MW-14	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	591-78-6
MW-14	EPA 8260	EPA 8260	Isopropylbe	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	98-82-8
MW-14	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	79-20-9
MW-14	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	108-87-2
MW-14	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-09-2
MW-14	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	108-10-1
MW-14	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	1634-04-4
MW-14	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	95-47-6
MW-14	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	100-42-5
MW-14	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	79-34-5
MW-14	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	127-18-4
MW-14	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	108-88-3
MW-14	EPA 8260	EPA 8260	1,2,3-Trichlo	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	87-61-6
MW-14	EPA 8260	EPA 8260	1,2,4-Trichlo	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	120-82-1
MW-14	EPA 8260	EPA 8260	1,1,1-Trichlo	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	71-55-6
MW-14	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	79-00-5
MW-14	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	79-01-6
MW-14	EPA 8260	EPA 8260	Trichlorofluo	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-69-4
MW-14	EPA 8260	EPA 8260	1,1,2-Trichlo	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	76-13-1
MW-14	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	75-01-4
MW-14	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	179601-23-1
MW-14	EPA 8260	EPA 8260	Toluene-d8 (S)		99				1	%		10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	2037-26-5
MW-14	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		84				1	%		10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	460-00-4
MW-14	EPA 8260	EPA 8260	Dibromofluoromethane (S		95				1	%		10/05/16	11:55:00 AM	10/14/16	Water	119637 PPG	1868-53-7
MW-14	EPA 3510	EPA 8270	Butylbenzylp	<	0.75	0.75	2.5	2.5	1	ug/L	U	10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	85-68-7
MW-14	EPA 3510	EPA 8270	Diethylphtha	<	1.1	1.1	3.5	3.5	1	ug/L	U	10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	84-66-2
MW-14	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	131-11-3
MW-14	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.3	8.3	1	ug/L	U	10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	84-74-2
MW-14	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1	ug/L	U	10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	117-84-0
MW-14	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1	ug/L	U	10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	117-81-7
MW-14	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		82				1	%		10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	4165-60-0
MW-14	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		77				1	%		10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	321-60-8
MW-14	EPA 3510	EPA 8270	Terphenyl-d14 (S)		84				1	%		10/05/16	11:55:00 AM	10/13/16	Water	119637 PPG	1718-51-0
MW-16R	EPA 6010	EPA 6010	Arsenic, Dissolved		12.0	5.4	20.0	20.0	1	ug/L	J	10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7440-38-2
MW-16R	EPA 6010	EPA 6010	Barium, Dissolved		240	1.5	5.0	5.0	1	ug/L		10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7440-39-3
MW-16R	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7440-43-9
MW-16R	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7440-47-3
MW-16R	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7439-92-1
MW-16R	EPA 6010	EPA 6010	Selenium, Dissolved		7.5	5.6	20.0	20.0	1	ug/L	JB	10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7782-49-2
MW-16R	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/05/16	01:05:00 PM	10/11/16	Water	119637 PPG	7440-22-4
MW-16R	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/05/16	01:05:00 PM	10/21/16	Water	119637 PPG	7439-97-6
MW-16R	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	67-64-1
MW-16R	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	71-43-2

MW-16R	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	74-97-5
MW-16R	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-27-4
MW-16R	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-25-2
MW-16R	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	74-83-9
MW-16R	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	78-93-3
MW-16R	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-15-0
MW-16R	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	56-23-5
MW-16R	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	108-90-7
MW-16R	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-00-3
MW-16R	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	67-66-3
MW-16R	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	74-87-3
MW-16R	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	110-82-7
MW-16R	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	96-12-8
MW-16R	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	124-48-1
MW-16R	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	106-93-4
MW-16R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	95-50-1
MW-16R	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	541-73-1
MW-16R	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	106-46-7
MW-16R	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-71-8
MW-16R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-34-3
MW-16R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	107-06-2
MW-16R	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-35-4
MW-16R	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	156-59-2
MW-16R	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	156-60-5
MW-16R	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	78-87-5
MW-16R	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	10061-01-5
MW-16R	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	10061-02-6
MW-16R	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	100-41-4
MW-16R	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	591-78-6
MW-16R	EPA 8260	EPA 8260	Isopropylbe	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	98-82-8
MW-16R	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	79-20-9
MW-16R	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	108-87-2
MW-16R	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-09-2
MW-16R	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	108-10-1
MW-16R	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	1634-04-4
MW-16R	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	95-47-6
MW-16R	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	100-42-5
MW-16R	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	79-34-5
MW-16R	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	127-18-4
MW-16R	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	108-88-3
MW-16R	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	87-61-6
MW-16R	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	120-82-1
MW-16R	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	71-55-6
MW-16R	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	79-00-5
MW-16R	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	79-01-6
MW-16R	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-69-4
MW-16R	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	76-13-1
MW-16R	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	75-01-4
MW-16R	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	179601-23-1
MW-16R	EPA 8260	EPA 8260	Toluene-d8 (S)		86				1	%		10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	2037-26-5
MW-16R	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		86				1	%		10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	460-00-4
MW-16R	EPA 8260	EPA 8260	Dibromofluoromethane (S		108				1	%		10/05/16	01:05:00 PM	10/18/16	Water	119637 PPG	1868-53-7
MW-16R	EPA 3510	EPA 8270	Butylbenzylp	<	0.76	0.76	2.5	2.5	1	ug/L	U	10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	85-68-7
MW-16R	EPA 3510	EPA 8270	Diethylphtha	<	1.1	1.1	3.5	3.5	1	ug/L	U	10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	84-66-2
MW-16R	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.3	6.3	1	ug/L	U	10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	131-11-3
MW-16R	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.4	8.4	1	ug/L	U	10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	84-74-2
MW-16R	EPA 3510	EPA 8270	Di-n-octylph	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	117-84-0
MW-16R	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.68	0.68	2.3	2.3	1	ug/L	U	10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	117-81-7
MW-16R	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		63				1	%		10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	4165-60-0
MW-16R	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		60				1	%		10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	321-60-8
MW-16R	EPA 3510	EPA 8270	Terphenyl-d14 (S)		65				1	%		10/05/16	01:05:00 PM	10/13/16	Water	119637 PPG	1718-51-0
TF-10	EPA 6010	EPA 6010	Arsenic, Dissolved		11.8	5.4	20.0	20.0	1	ug/L	J	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7440-38-2
TF-10	EPA 6010	EPA 6010	Barium, Dissolved		116	1.5	5.0	5.0	1	ug/L		10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7440-39-3
TF-10	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7440-43-9

TF-10	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7440-47-3
TF-10	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7439-92-1
TF-10	EPA 6010	EPA 6010	Selenium, Dissolved		12.6	5.6	20.0	20.0	1 ug/L	JB	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7782-49-2
TF-10	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	7440-22-4
TF-10	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1 ug/L	U	10/06/16	09:30:00 AM	10/21/16	Water	119637 PPG	7439-97-6
TF-10	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	67-64-1
TF-10	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	71-43-2
TF-10	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	74-97-5
TF-10	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-27-4
TF-10	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-25-2
TF-10	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	74-83-9
TF-10	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	78-93-3
TF-10	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-15-0
TF-10	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	56-23-5
TF-10	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	108-90-7
TF-10	EPA 8260	EPA 8260	Chloroethane		0.62	0.37	1.0	1.0	1 ug/L	J	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-00-3
TF-10	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	67-66-3
TF-10	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	74-87-3
TF-10	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	110-82-7
TF-10	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	96-12-8
TF-10	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	124-48-1
TF-10	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	106-93-4
TF-10	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	95-50-1
TF-10	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	541-73-1
TF-10	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	106-46-7
TF-10	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-71-8
TF-10	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-34-3
TF-10	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	107-06-2
TF-10	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-35-4
TF-10	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	156-59-2
TF-10	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	156-60-5
TF-10	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	78-87-5
TF-10	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	10061-01-5
TF-10	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	10061-02-6
TF-10	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	100-41-4
TF-10	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	591-78-6
TF-10	EPA 8260	EPA 8260	Isopropylbenzene (Cume		0.34	0.14	1.0	1.0	1 ug/L	J	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	98-82-8
TF-10	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	79-20-9
TF-10	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	108-87-2
TF-10	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-09-2
TF-10	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	108-10-1
TF-10	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	1634-04-4
TF-10	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	95-47-6
TF-10	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	100-42-5
TF-10	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	79-34-5
TF-10	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	127-18-4
TF-10	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	108-88-3
TF-10	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	87-61-6
TF-10	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	120-82-1
TF-10	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	71-55-6
TF-10	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	79-00-5
TF-10	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	79-01-6
TF-10	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-69-4
TF-10	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	76-13-1
TF-10	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	75-01-4
TF-10	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1 ug/L	U	10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	179601-23-1
TF-10	EPA 8260	EPA 8260	Toluene-d8 (S)		85				1 %		10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	2037-26-5
TF-10	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		86				1 %		10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	460-00-4
TF-10	EPA 8260	EPA 8260	Dibromofluoromethane (S		102				1 %		10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	1868-53-7
TF-10	EPA 3510	EPA 8270	Butylbenzylp	<	3.0	3.0	10.1	10.1	4 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	85-68-7
TF-10	EPA 3510	EPA 8270	Diethylphtha	<	4.2	4.2	14.1	14.1	4 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	84-66-2
TF-10	EPA 3510	EPA 8270	Dimethylpht	<	7.6	7.6	25.2	25.2	4 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	131-11-3
TF-10	EPA 3510	EPA 8270	Di-n-butylph	<	10.1	10.1	33.5	33.5	4 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	84-74-2
TF-10	EPA 3510	EPA 8270	Di-n-octylph	<	7.4	7.4	24.7	24.7	4 ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	117-84-0

TF-10	EPA 3510	EPA 8270	bis(2-Ethylh	<	2.7	2.7	9.1	9.1	4	ug/L	U	10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	117-81-7
TF-10	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		74				4	%		10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	4165-60-0
TF-10	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		71				4	%		10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	321-60-8
TF-10	EPA 3510	EPA 8270	Terphenyl-d14 (S)		82				4	%		10/06/16	09:30:00 AM	10/11/16	Water	119637 PPG	1718-51-0
TF-20	EPA 6010	EPA 6010	Arsenic, Dissolved		10.6	5.4	20.0	20.0	1	ug/L	J	10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7440-38-2
TF-20	EPA 6010	EPA 6010	Barium, Dissolved		117	1.5	5.0	5.0	1	ug/L		10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7440-39-3
TF-20	EPA 6010	EPA 6010	Cadmium, D	<	1.3	1.3	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7440-43-9
TF-20	EPA 6010	EPA 6010	Chromium, I	<	2.5	2.5	10.0	10.0	1	ug/L	U	10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7440-47-3
TF-20	EPA 6010	EPA 6010	Lead, Dissol	<	4.3	4.3	13.0	13.0	1	ug/L	U	10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7439-92-1
TF-20	EPA 6010	EPA 6010	Selenium, Dissolved		7.7	5.6	20.0	20.0	1	ug/L	JB	10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7782-49-2
TF-20	EPA 6010	EPA 6010	Silver, Dissc	<	3.2	3.2	10.0	10.0	1	ug/L	U	10/06/16	11:00:00 AM	10/11/16	Water	119637 PPG	7440-22-4
TF-20	EPA 7470	EPA 7470	Mercury, Dis	<	0.13	0.13	0.42	0.42	1	ug/L	U	10/06/16	11:00:00 AM	10/21/16	Water	119637 PPG	7439-97-6
TF-20	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	67-64-1
TF-20	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	71-43-2
TF-20	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	74-97-5
TF-20	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-27-4
TF-20	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-25-2
TF-20	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	74-83-9
TF-20	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	78-93-3
TF-20	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-15-0
TF-20	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	56-23-5
TF-20	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	108-90-7
TF-20	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-00-3
TF-20	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	67-66-3
TF-20	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	74-87-3
TF-20	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	110-82-7
TF-20	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	96-12-8
TF-20	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	124-48-1
TF-20	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	106-93-4
TF-20	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	95-50-1
TF-20	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	541-73-1
TF-20	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	106-46-7
TF-20	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-71-8
TF-20	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-34-3
TF-20	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	107-06-2
TF-20	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-35-4
TF-20	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	156-59-2
TF-20	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	156-60-5
TF-20	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	78-87-5
TF-20	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	10061-01-5
TF-20	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	10061-02-6
TF-20	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	100-41-4
TF-20	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	591-78-6
TF-20	EPA 8260	EPA 8260	Isopropylbenzene (Cume		12.6	0.14	1.0	1.0	1	ug/L		10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	98-82-8
TF-20	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	79-20-9
TF-20	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	108-87-2
TF-20	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-09-2
TF-20	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	108-10-1
TF-20	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	1634-04-4
TF-20	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	95-47-6
TF-20	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	100-42-5
TF-20	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	79-34-5
TF-20	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	127-18-4
TF-20	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	108-88-3
TF-20	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	87-61-6
TF-20	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	120-82-1
TF-20	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	71-55-6
TF-20	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	79-00-5
TF-20	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	79-01-6
TF-20	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-69-4
TF-20	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	76-13-1
TF-20	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	75-01-4
TF-20	EPA 8260	EPA 8260	m&p-Xylene		1.7	1.0	2.0	2.0	1	ug/L	J	10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	179601-23-1
TF-20	EPA 8260	EPA 8260	Toluene-d8 (S)		81				1	%		10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	2037-26-5

TF-20	EPA 8260	EPA 8260	4-Bromofluorobenzene (S	87				1	%		10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	460-00-4
TF-20	EPA 8260	EPA 8260	Dibromofluoromethane (S	99				1	%		10/06/16	11:00:00 AM	10/18/16	Water	119637 PPG	1868-53-7
TF-20	EPA 3510	EPA 8270	Butylbenzylp	<	0.74	0.74	2.5	2.5	1	ug/L	U	10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	85-68-7
TF-20	EPA 3510	EPA 8270	Diethylphtha	<	1.0	1.0	3.5	3.5	1	ug/L	U	10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	84-66-2
TF-20	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1	ug/L	U	10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	131-11-3
TF-20	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.2	8.2	1	ug/L	U	10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	84-74-2
TF-20	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1	ug/L	U	10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	117-84-0
TF-20	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1	ug/L	U	10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	117-81-7
TF-20	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		75				1	%		10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	4165-60-0
TF-20	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		65				1	%		10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	321-60-8
TF-20	EPA 3510	EPA 8270	Terphenyl-d14 (S)		68				1	%		10/06/16	11:00:00 AM	10/17/16	Water	119637 PPG	1718-51-0
TRIP BLANI	EPA 8260	EPA 8260	Acetone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	67-64-1
TRIP BLANI	EPA 8260	EPA 8260	Benzene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	71-43-2
TRIP BLANI	EPA 8260	EPA 8260	Bromochlorc	<	0.34	0.34	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	74-97-5
TRIP BLANI	EPA 8260	EPA 8260	Bromodichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-27-4
TRIP BLANI	EPA 8260	EPA 8260	Bromoform	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-25-2
TRIP BLANI	EPA 8260	EPA 8260	Bromometha	<	2.4	2.4	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	74-83-9
TRIP BLANI	EPA 8260	EPA 8260	2-Butanone	<	3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	78-93-3
TRIP BLANI	EPA 8260	EPA 8260	Carbon disu	<	0.61	0.61	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-15-0
TRIP BLANI	EPA 8260	EPA 8260	Carbon tetra	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	56-23-5
TRIP BLANI	EPA 8260	EPA 8260	Chlorobenze	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	108-90-7
TRIP BLANI	EPA 8260	EPA 8260	Chloroethan	<	0.37	0.37	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-00-3
TRIP BLANI	EPA 8260	EPA 8260	Chloroform	<	2.5	2.5	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	67-66-3
TRIP BLANI	EPA 8260	EPA 8260	Chlorometha	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	74-87-3
TRIP BLANI	EPA 8260	EPA 8260	Cyclohexan	<	0.88	0.88	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	110-82-7
TRIP BLANI	EPA 8260	EPA 8260	1,2-Dibromc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	96-12-8
TRIP BLANI	EPA 8260	EPA 8260	Dibromochlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	124-48-1
TRIP BLANI	EPA 8260	EPA 8260	1,2-Dibromc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	106-93-4
TRIP BLANI	EPA 8260	EPA 8260	1,2-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	95-50-1
TRIP BLANI	EPA 8260	EPA 8260	1,3-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	541-73-1
TRIP BLANI	EPA 8260	EPA 8260	1,4-Dichloro	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	106-46-7
TRIP BLANI	EPA 8260	EPA 8260	Dichlorodiflu	<	0.22	0.22	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-71-8
TRIP BLANI	EPA 8260	EPA 8260	1,1-Dichloro	<	0.24	0.24	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-34-3
TRIP BLANI	EPA 8260	EPA 8260	1,2-Dichloro	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	107-06-2
TRIP BLANI	EPA 8260	EPA 8260	1,1-Dichloro	<	0.41	0.41	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-35-4
TRIP BLANI	EPA 8260	EPA 8260	cis-1,2-Dich	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	156-59-2
TRIP BLANI	EPA 8260	EPA 8260	trans-1,2-Di	<	0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	156-60-5
TRIP BLANI	EPA 8260	EPA 8260	1,2-Dichloro	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	78-87-5
TRIP BLANI	EPA 8260	EPA 8260	cis-1,3-Dich	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	10061-01-5
TRIP BLANI	EPA 8260	EPA 8260	trans-1,3-Di	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	10061-02-6
TRIP BLANI	EPA 8260	EPA 8260	Ethylbenzen	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	100-41-4
TRIP BLANI	EPA 8260	EPA 8260	2-Hexanone	<	1.1	1.1	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	591-78-6
TRIP BLANI	EPA 8260	EPA 8260	Isopropylbe	<	0.14	0.14	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	98-82-8
TRIP BLANI	EPA 8260	EPA 8260	Methyl aceta	<	2.2	2.2	10.0	10.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	79-20-9
TRIP BLANI	EPA 8260	EPA 8260	Methylcyclol	<	2.3	2.3	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	108-87-2
TRIP BLANI	EPA 8260	EPA 8260	Methylene C	<	0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-09-2
TRIP BLANI	EPA 8260	EPA 8260	4-Methyl-2-p	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	108-10-1
TRIP BLANI	EPA 8260	EPA 8260	Methyl-tert-b	<	0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	1634-04-4
TRIP BLANI	EPA 8260	EPA 8260	o-Xylene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	95-47-6
TRIP BLANI	EPA 8260	EPA 8260	Styrene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	100-42-5
TRIP BLANI	EPA 8260	EPA 8260	1,1,2,2-Tetra	<	0.25	0.25	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	79-34-5
TRIP BLANI	EPA 8260	EPA 8260	Tetrachloroe	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	127-18-4
TRIP BLANI	EPA 8260	EPA 8260	Toluene	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	108-88-3
TRIP BLANI	EPA 8260	EPA 8260	1,2,3-Trichlc	<	2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	87-61-6
TRIP BLANI	EPA 8260	EPA 8260	1,2,4-Trichlc	<	2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	120-82-1
TRIP BLANI	EPA 8260	EPA 8260	1,1,1-Trichlc	<	0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	71-55-6
TRIP BLANI	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.20	0.20	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	79-00-5
TRIP BLANI	EPA 8260	EPA 8260	Trichloroeth	<	0.33	0.33	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	79-01-6
TRIP BLANI	EPA 8260	EPA 8260	Trichlorofluc	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-69-4
TRIP BLANI	EPA 8260	EPA 8260	1,1,2-Trichlc	<	0.81	0.81	5.0	5.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	76-13-1
TRIP BLANI	EPA 8260	EPA 8260	Vinyl chlorid	<	0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	75-01-4
TRIP BLANI	EPA 8260	EPA 8260	m&p-Xylene	<	1.0	1.0	2.0	2.0	1	ug/L	U	10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	179601-23-1
TRIP BLANI	EPA 8260	EPA 8260	Toluene-d8 (S)		88				1	%		10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	2037-26-5
TRIP BLANI	EPA 8260	EPA 8260	4-Bromofluorobenzene (S		81				1	%		10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	460-00-4

TRIP BLANI	EPA 8260	EPA 8260	Dibromofluoromethane (S	101				1	%		10/06/16	12:40:00 PM	10/18/16	Water	119637 PPG	1868-53-7
EQUIPMEN	EPA 6010	EPA 6010	Arsenic, Dis	< 5.4	5.4	20.0	20.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7440-38-2
EQUIPMEN	EPA 6010	EPA 6010	Barium, Diss	< 1.5	1.5	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7440-39-3
EQUIPMEN	EPA 6010	EPA 6010	Cadmium, D	< 1.3	1.3	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7440-43-9
EQUIPMEN	EPA 6010	EPA 6010	Chromium, I	< 2.5	2.5	10.0	10.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7440-47-3
EQUIPMEN	EPA 6010	EPA 6010	Lead, Dissol	< 4.3	4.3	13.0	13.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7439-92-1
EQUIPMEN	EPA 6010	EPA 6010	Selenium, D	< 5.6	5.6	20.0	20.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7782-49-2
EQUIPMEN	EPA 6010	EPA 6010	Silver, Dissc	< 3.2	3.2	10.0	10.0	1	ug/L	U	10/06/16	12:30:00 PM	10/11/16	Water	119637 PPG	7440-22-4
EQUIPMEN	EPA 7470	EPA 7470	Mercury, Dis	< 0.13	0.13	0.42	0.42	1	ug/L	U	10/06/16	12:30:00 PM	10/21/16	Water	119637 PPG	7439-97-6
EQUIPMEN	EPA 8260	EPA 8260	Acetone	< 3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	67-64-1
EQUIPMEN	EPA 8260	EPA 8260	Benzene	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	71-43-2
EQUIPMEN	EPA 8260	EPA 8260	Bromochlorc	< 0.34	0.34	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	74-97-5
EQUIPMEN	EPA 8260	EPA 8260	Bromodichlc	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-27-4
EQUIPMEN	EPA 8260	EPA 8260	Bromoform	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-25-2
EQUIPMEN	EPA 8260	EPA 8260	Bromometha	< 2.4	2.4	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	74-83-9
EQUIPMEN	EPA 8260	EPA 8260	2-Butanone	< 3.0	3.0	20.0	20.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	78-93-3
EQUIPMEN	EPA 8260	EPA 8260	Carbon disu	< 0.61	0.61	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-15-0
EQUIPMEN	EPA 8260	EPA 8260	Carbon tetra	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	56-23-5
EQUIPMEN	EPA 8260	EPA 8260	Chlorobenze	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	108-90-7
EQUIPMEN	EPA 8260	EPA 8260	Chloroethan	< 0.37	0.37	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-00-3
EQUIPMEN	EPA 8260	EPA 8260	Chloroform	< 2.5	2.5	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	67-66-3
EQUIPMEN	EPA 8260	EPA 8260	Chlorometha	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	74-87-3
EQUIPMEN	EPA 8260	EPA 8260	Cyclohexan	< 0.88	0.88	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	110-82-7
EQUIPMEN	EPA 8260	EPA 8260	1,2-Dibromc	< 2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	96-12-8
EQUIPMEN	EPA 8260	EPA 8260	Dibromochlc	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	124-48-1
EQUIPMEN	EPA 8260	EPA 8260	1,2-Dibromc	< 0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	106-93-4
EQUIPMEN	EPA 8260	EPA 8260	1,2-Dichloro	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	95-50-1
EQUIPMEN	EPA 8260	EPA 8260	1,3-Dichloro	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	541-73-1
EQUIPMEN	EPA 8260	EPA 8260	1,4-Dichloro	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	106-46-7
EQUIPMEN	EPA 8260	EPA 8260	Dichlorodiflu	< 0.22	0.22	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-71-8
EQUIPMEN	EPA 8260	EPA 8260	1,1-Dichloro	< 0.24	0.24	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-34-3
EQUIPMEN	EPA 8260	EPA 8260	1,2-Dichloro	< 0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	107-06-2
EQUIPMEN	EPA 8260	EPA 8260	1,1-Dichloro	< 0.41	0.41	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-35-4
EQUIPMEN	EPA 8260	EPA 8260	cis-1,2-Dich	< 0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	156-59-2
EQUIPMEN	EPA 8260	EPA 8260	trans-1,2-Di	< 0.26	0.26	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	156-60-5
EQUIPMEN	EPA 8260	EPA 8260	1,2-Dichloro	< 0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	78-87-5
EQUIPMEN	EPA 8260	EPA 8260	cis-1,3-Dich	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	10061-01-5
EQUIPMEN	EPA 8260	EPA 8260	trans-1,3-Di	< 0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	10061-02-6
EQUIPMEN	EPA 8260	EPA 8260	Ethylbenzen	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	100-41-4
EQUIPMEN	EPA 8260	EPA 8260	2-Hexanone	< 1.1	1.1	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	591-78-6
EQUIPMEN	EPA 8260	EPA 8260	Isopropylbe	< 0.14	0.14	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	98-82-8
EQUIPMEN	EPA 8260	EPA 8260	Methyl aceta	< 2.2	2.2	10.0	10.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	79-20-9
EQUIPMEN	EPA 8260	EPA 8260	Methylcyclol	< 2.3	2.3	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	108-87-2
EQUIPMEN	EPA 8260	EPA 8260	Methylene C	< 0.23	0.23	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-09-2
EQUIPMEN	EPA 8260	EPA 8260	4-Methyl-2-p	< 2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	108-10-1
EQUIPMEN	EPA 8260	EPA 8260	Methyl-tert-b	< 0.17	0.17	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	1634-04-4
EQUIPMEN	EPA 8260	EPA 8260	o-Xylene	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	95-47-6
EQUIPMEN	EPA 8260	EPA 8260	Styrene	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	100-42-5
EQUIPMEN	EPA 8260	EPA 8260	1,1,2,2-Tetra	< 0.25	0.25	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	79-34-5
EQUIPMEN	EPA 8260	EPA 8260	Tetrachloroe	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	127-18-4
EQUIPMEN	EPA 8260	EPA 8260	Toluene	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	108-88-3
EQUIPMEN	EPA 8260	EPA 8260	1,2,3-Trichlc	< 2.1	2.1	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	87-61-6
EQUIPMEN	EPA 8260	EPA 8260	1,2,4-Trichlc	< 2.2	2.2	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	120-82-1
EQUIPMEN	EPA 8260	EPA 8260	1,1,1-Trichlc	< 0.50	0.50	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	71-55-6
EQUIPMEN	EPA 8260	EPA 8260	1,1,2-Trichlc	< 0.20	0.20	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	79-00-5
EQUIPMEN	EPA 8260	EPA 8260	Trichloroeth	< 0.33	0.33	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	79-01-6
EQUIPMEN	EPA 8260	EPA 8260	Trichlorofluc	< 0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-69-4
EQUIPMEN	EPA 8260	EPA 8260	1,1,2-Trichlc	< 0.81	0.81	5.0	5.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	76-13-1
EQUIPMEN	EPA 8260	EPA 8260	Vinyl chlorid	< 0.18	0.18	1.0	1.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	75-01-4
EQUIPMEN	EPA 8260	EPA 8260	m&p-Xylene	< 1.0	1.0	2.0	2.0	1	ug/L	U	10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	179601-23-1
EQUIPMEN	EPA 8260	EPA 8260	Toluene-d8 (S)	86				1	%		10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	2037-26-5
EQUIPMEN	EPA 8260	EPA 8260	4-Bromofluorobenzene (S	86				1	%		10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	460-00-4
EQUIPMEN	EPA 8260	EPA 8260	Dibromofluoromethane (S	106				1	%		10/06/16	12:30:00 PM	10/18/16	Water	119637 PPG	1868-53-7
EQUIPMEN	EPA 3510	EPA 8270	Butylbenzylp	< 0.74	0.74	2.5	2.5	1	ug/L	U	10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	85-68-7

EQUIPMEN	EPA 3510	EPA 8270	Diethylphtha	<	1.0	1.0	3.5	3.5	1 ug/L	U	10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	84-66-2
EQUIPMEN	EPA 3510	EPA 8270	Dimethylpht	<	1.9	1.9	6.2	6.2	1 ug/L	U	10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	131-11-3
EQUIPMEN	EPA 3510	EPA 8270	Di-n-butylph	<	2.5	2.5	8.2	8.2	1 ug/L	U	10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	84-74-2
EQUIPMEN	EPA 3510	EPA 8270	Di-n-octylph	<	1.8	1.8	6.1	6.1	1 ug/L	U	10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	117-84-0
EQUIPMEN	EPA 3510	EPA 8270	bis(2-Ethylh	<	0.67	0.67	2.2	2.2	1 ug/L	U	10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	117-81-7
EQUIPMEN	EPA 3510	EPA 8270	Nitrobenzene-d5 (S)		67				1 %		10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	4165-60-0
EQUIPMEN	EPA 3510	EPA 8270	2-Fluorobiphenyl (S)		66				1 %		10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	321-60-8
EQUIPMEN	EPA 3510	EPA 8270	Terphenyl-d14 (S)		68				1 %		10/06/16	12:30:00 PM	10/17/16	Water	119637 PPG	1718-51-0

Appendix D

Data Validation

D-1: Data Validation – VOCs

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MEMORANDUM

TO: Scott Furlong, CB&I PPG Oak Creek Project Manager

FROM: Richard McCracken, CB&I Chemist

SUBJECT: PPG Oak Creek Data Validation - Volatiles
Pace Analytical Services (PACE) Project 40139758

DATE: October 31, 2016

This memorandum constitutes the data validation report for the PPG Oak Creek groundwater samples collected on October 5 and 6, 2016. The samples were analyzed for volatile organic compounds (VOCs) using USEPA SW846 method 8260B. Thirteen samples plus a trip blank and an equipment blank were validated. The sample IDs are:

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
TF-1	40139758001	MW-13	40139758009
TF-2	40139758002	MW-14	40139758010
TF-4	40139758003	MW-16R	40139758011
LW-3	40139758004	TF-10	40139758012
LW-5	40139758005	TF-20	40139758013
MW-9R	40139758006	Trip Blank	40139758014
MW-10R	40139758007	Equipment Blank	40139758015
MW-11R	40139758008		

Data were reviewed and validated using a combination of project QAPP and SW846 method-specific criteria. The data qualifier scheme was consistent with the *National Functional Guidelines for Superfund Organic Data Review* (August 2014). Parameters evaluated are presented in **Table 1**. Data associated with QC parameters in compliance with quality control specifications have not been qualified. Data associated with QC parameters that did not comply with quality control specifications and directly impacting project data have been qualified in accordance with USEPA guidelines.

Table 1 Laboratory Performance Criteria

Qualified Data		Parameter
Yes	No	
	X	Holding Times and Preservation
	X	Instrument Performance Results
X		Initial Calibration
X		Continuing Calibration
	X	Blank Analysis
	X	Laboratory Control Sample
	X	Matrix Spike / Spike Duplicate Sample
	X	System Monitoring Compounds
	X	Internal Standards
	X	Field Sample Duplicate
	X	Sample Dilution

The quality of data collected in support of this sampling activity is considered acceptable, with the noted qualifications.

Richard McCracken, Chemist

10/31/16
Date

PPG OAK CREEK VALIDATION REPORT
VOLATILES REVIEW
PACE Project 40139758

I-Holding Times and Preservation
Sample holding time, defined as the time from sample collection to sample analysis, must be kept within empirically established criteria. The VOC holding time criteria for aqueous samples shipped @4°C ± 2°C and preserved with HCl to pH≤2 is 14 days from sample collection to analysis.

- Preservation Review: The samples were received at the laboratory on 10/7/2016. A temperature blank was not included in the shipment, so the sample temperature was not checked. The lab noted that the samples were received on ice and the COC indicated they were preserved with HCl. No data qualifiers were required.

- Holding Time Review: The aqueous samples were collected 10/5/16 and 10/6/16, and were analyzed for VOCs on 10/14/16 and 10/18/16. Sample collection and analysis dates may be found on the attached Form 1s. All criteria were met. No qualifiers were applied.

II-Instrument Performance Check
The analysis of the instrument performance check solution must be performed at the beginning of each 12-hour period during which samples are analyzed.

- Samples were analyzed using instruments 40MSV5 and 40SMVB. The bromofluorobenzene (BFB) instrument performance check met the ion abundance criteria. All samples were analyzed within the 12 hour limit. No qualification was required.

III-Initial Calibration
Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for volatile target compounds. Initial calibration demonstrates that the instrument is capable of producing a linear calibration curve, and establishes the relative response factors on which the quantitations are based. The RRF must be greater than 0.1 for system performance check compounds (SPCCs) chloromethane, 1,1-dichloroethane, and bromoform and greater than 0.3 for 1,1,2,2-tetrachloroethane and chlorobenzene. The minimum relative response factor (RRF) must be ≥0.05 for all other compounds, while the percent relative standard deviation (%RSD) must be ≤15% for each target compound and ≤30% for each calibration check compound (CCC). For compounds analyzed using linear regression or second order, correlation coefficients and coefficients of determination must be >0.99.

- During the VOC initial calibration performed on 10/12/16 using instrument 40MSV5, acetone (0.01983) and 2-butanone (0.02382) had average RRFs > 0.05. The results for these two compounds have been qualified "J/UJ" in the associated samples. All other target compounds plus the SPCCs and CCCs were within criteria. Samples 40139758-001, 002, -003, -006, -011, -012, -013, -014, and -015 were analyzed in conjunction with this initial calibration.

- During the VOC initial calibration performed on 9/12/16 using instrument 40MSVB, chloromethane (17.13%) had a %RSD > 15%. The chloromethane results have been qualified "J/UJ" in the associated samples. All other target compounds plus the SPCCs and CCCs were within criteria. Samples 40139758-004, 005, -007, -008, -009, and -010 were analyzed in conjunction with this initial calibration.

IV-Continuing Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for volatile target compounds. Continuing calibration checks satisfactory performance of the instrument on a day-to-day basis. The RRF must be greater than 0.1 for SPCCs chloromethane, 1,1-dichloroethane, and bromoform and greater than 0.3 for 1,1,2,2-tetrachloroethane and chlorobenzene. The minimum relative response factor (RRF) must be ≥0.05 for all other compounds, while the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF must be ≤20% for all target compounds. Initial calibration verification (ICV) recoveries should be within 80%≤%R≤120%.

- During ICV performed on 10/12/16 @1510 using instrument 40MSV5, acetone (0.02327) and 2-butanone (0.02633) had low RRFs. All other target compounds and SPCCs were within criteria. No samples were analyzed following this ICV, no data qualification is required.

- During continuing calibration verification (CCV) performed on 10/17/16 @1353 using instrument 40MSV5, acetone (0.01821) and 2-butanone (0.01850) had low RRFs, while 2-butanone (22.31%) and 1,2-dibromo-3-chloropropane (32.06%) had high %D. All results for these compounds have been qualified "J/UJ" in the associated samples. All other target compounds and SPCCs were within criteria. Method blank 1411777 and LCS 1411778 were analyzed following this CCV.

- During CCV performed on 10/18/16 @0626 using instrument 40MSV5, acetone (0.02248) and 2-butanone (0.02637) had low RRFs, while bromoform (22.78%) and methyl acetate (24.08%) had high %D. All results for these compounds have been qualified "J/UJ" in the associated samples. All other target compounds and SPCCs were within criteria. Samples 40139758-001, 002, -003, -006, -011, -012, -013, -014, and -015 were analyzed following this CCV.

- During ICV performed on 9/12/16 @1834 using instrument 40MSVB, bromomethane (21.32%), chloroethane (24.56%), chloromethane (27.75%), dichlorodifluoromethane (26.57%), and methylene chloride (21.28%) had high %D. All results for these compounds have been qualified "J/UJ" in the associated samples. All other target compounds and SPCCs were within criteria. No samples were analyzed following this ICV, no data qualification is required.

- During CCV performed on 10/14/16 @1335 using instrument 40MSVB, 2-butanone (42.09%), chloroethane (22.64%), 1,1-dichloroethane (21.19%), cis-1,2-dichloroethene (27.27%), and methyl-tert-butyl ether (24.40%) had high %D. All results for these compounds have been qualified "J/UJ" in the associated samples. All other target compounds and SPCCs were within criteria. Samples 40139758-004, 005, -007, -008, -009, and -010 were analyzed following this CCV.

V-Blank Analysis

The purpose of blank analyses is to determine the presence and magnitude of contamination problems resulting from field and laboratory activities. A method blank analysis must be performed after the calibration standards and once every 12-hour time period beginning with the injection of BFB. No contaminants should be detected in any of the associated blanks > the reporting limit. Positive sample results are reported and qualified "J", if the concentration of the compound in the sample is ≤10 times (10x) the maximum amount in any blank for the common laboratory contaminants, or 5 times (5x) the maximum amount for other volatile target compounds. **Table 2** summarizes the blank contamination analysis. The equipment blank and trip blank were also used to evaluate the groundwater sample data.

Table 2 Blank Analysis Summary

Analysis Date	QC Blank ID	Compound	Max Conc. µg/L	Action Level µg/L	B qualified samples (for this SDG)
10/14/16	1409723	All target <RL	NA	NA	None
10/17/16	1411777	All target <RL	NA	NA	None
10/18/16	Trip Blank	All target <RL	NA	NA	None
10/18/16	Equipment Blank	All target <RL	NA	NA	None

NA = Not Applicable
RL = Reporting Limit

VI-Laboratory Control Sample
Laboratory control samples (LCS) are used to monitor laboratory accuracy for each sample batch by calculating the percent recoveries of the spiked compounds. All LCS/LCSD percent recoveries must be within historically-derived laboratory control limits.

- Sample 1409724 was the aqueous LCS for VOC batch 237953, analyzed on 10/14/16 using instrument 40MSVB. All target compounds met recovery criteria. Samples 40139758-004, 005, -007, -008, -009, and -010 were analyzed in conjunction with this LCS.

- Sample 1411778 was the aqueous LCS for VOC batch 238242, analyzed on 10/17/16 using instrument 40MSV5. All target compounds met recovery criteria. Samples 40139758-001, 002, -003, -006, -011, -012, -013, -014, and -015 were analyzed in conjunction with this LCS.

VII-Matrix Spike/Matrix Spike Duplicate
Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The percent recoveries (%Rs) and the relative percent differences (RPDs) must be within the historically-derived control limits.

- Sample LW-5 (40139758005) was used as the MS/MSD during VOC analysis. All target compounds met recovery and RPD criteria.

VIII-System Monitoring Compounds (Surrogates)
Laboratory performance on individual samples is evaluated through the review of surrogate spike samples. System monitoring compounds recoveries in field and QC samples must be within the specified control limits.

Aqueous Criteria: Dibromofluoromethane (70-130%)
4-bromofluorobenzene (70-130%)
Toluene-d8 (70-130%)

- All samples met recovery criteria. No qualifiers were applied.

IX-Internal Standards (IS)
Internal standards performance criteria ensure that GC/MS sensitivity and response are stable during every analytical run. Specific criteria include: area counts (-50% to +100%) of the associated calibration standard, and retention time (± 30 seconds) from that of the associated calibration standard.

- All criteria were met. No qualifiers were applied

X-Field Duplicate Sample Analysis

Field duplicates were collected to identify the cumulative precision of the sampling and analytical process and sent to the laboratory blind. The RPD was calculated only for those analytes which were detected at levels exceeding the method reporting limits in both samples of the duplicate pair. Analytes that were rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. Precision control criterion was established at 50% RPD for the aqueous samples.

- Field duplicate pairs in this data package included TF-1 & TF-10, and TF-2 & TF-20. RPD criteria were met for detected analytes in both duplicate pairs, no data qualification is required.

XI-Sample Dilution

- Sample LW-5 was analyzed using a 2.5X dilution due to a matrix interference (as indicated in the case narrative). During follow-up discussions, the laboratory indicated the presence of a large peak, tentatively identified as n-butanol, that necessitated the dilution. Note that the identification of the interfering peak is only tentative (based on spectral matching efforts) since the instrument calibration did not include an n-butanol standard. MS/MSD analysis was performed using LW-5, with the spike including all target compounds. The recoveries and RPDs of all target compounds met criteria, indicating that the interfering peak did not hinder target compound identification or quantitation. No data qualification is required.

Laboratory and Data Verification Qualifiers

Qualifier	Definition
USEPA Validation Qualifiers[1]	
U	The analyte was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

[1]The USEPA data validation qualifiers were applied "as needed" and are referenced from *EPA National Functional Guidelines for Superfund Organic Data Review, EPA 540-R-014-002 (EPA, 2014).*

SAMPLE NO.

TF-1

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/18/2016 09:49
Lab Sample ID: 40139758001
Date Analyzed: 10/18/2016 09:49
Lab File ID: 10182016.B\10181611.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1
Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
67-64-1	Acetone	6.0	J	J
71-43-2	Benzene	<0.50	U	
74-97-5	Bromochloromethane	<0.34	U	
75-27-4	Bromodichloromethane	<0.50	U	
75-25-2	Bromoform	<0.50	U	UJ
74-83-9	Bromomethane	<2.4	U	
78-93-3	2-Butanone (MEK)	<3.0	U	UJ
75-15-0	Carbon disulfide	<0.61	U	
56-23-5	Carbon tetrachloride	<0.50	U	
108-90-7	Chlorobenzene	<0.50	U	
75-00-3	Chloroethane	<0.37	U	
67-66-3	Chloroform	<2.5	U	
74-87-3	Chloromethane	<0.50	U	
110-82-7	Cyclohexane	<0.88	U	
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U	
124-48-1	Dibromochloromethane	<0.50	U	
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U	
95-50-1	1,2-Dichlorobenzene	<0.50	U	
541-73-1	1,3-Dichlorobenzene	<0.50	U	
106-46-7	1,4-Dichlorobenzene	<0.50	U	
75-71-8	Dichlorodifluoromethane	<0.22	U	
75-34-3	1,1-Dichloroethane	<0.24	U	
107-06-2	1,2-Dichloroethane	<0.17	U	
75-35-4	1,1-Dichloroethene	<0.41	U	
156-59-2	cis-1,2-Dichloroethene	<0.26	U	
156-60-5	trans-1,2-Dichloroethene	<0.26	U	
78-87-5	1,2-Dichloropropane	<0.23	U	
10061-01-5	cis-1,3-Dichloropropene	<0.50	U	
10061-02-6	trans-1,3-Dichloropropene	<0.23	U	
100-41-4	Ethylbenzene	<0.50	U	
591-78-6	2-Hexanone	<1.1	U	
98-82-8	Isopropylbenzene (Cumene)	0.26	J	J
79-20-9	Methyl acetate	<2.2	U	UJ
108-87-2	Methylcyclohexane	<2.3	U	
75-09-2	Methylene Chloride	<0.23	U	
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U	
1634-04-4	Methyl-tert-butyl ether	<0.17	U	

SAMPLE NO.

TF-1

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 09:49 Lab Sample ID: 40139758001

Date Analyzed: 10/18/2016 09:49 Lab File ID: 10182016.B\10181611.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

TF-2

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 10:12 Lab Sample ID: 40139758002

Date Analyzed: 10/18/2016 10:12 Lab File ID: 10182016.B\10181612.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U UJ
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U UJ
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	13.6	
79-20-9	Methyl acetate	<2.2	U UJ
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U

SAMPLE NO.

TF-2

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 10:12 Lab Sample ID: 40139758002

Date Analyzed: 10/18/2016 10:12 Lab File ID: 10182016.B\10181612.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	0.28	J J
179601-23-1	m&p-Xylene	1.9	J J
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

TF-4

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 10:34 Lab Sample ID: 40139758003

Date Analyzed: 10/18/2016 10:34 Lab File ID: 10182016.B\10181613.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
67-64-1	Acetone	<3.0	U	UJ
71-43-2	Benzene	<0.50	U	
74-97-5	Bromochloromethane	<0.34	U	
75-27-4	Bromodichloromethane	<0.50	U	
75-25-2	Bromoform	<0.50	U	UJ
74-83-9	Bromomethane	<2.4	U	
78-93-3	2-Butanone (MEK)	<3.0	U	UJ
75-15-0	Carbon disulfide	<0.61	U	
56-23-5	Carbon tetrachloride	<0.50	U	
108-90-7	Chlorobenzene	<0.50	U	
75-00-3	Chloroethane	<0.37	U	
67-66-3	Chloroform	<2.5	U	
74-87-3	Chloromethane	<0.50	U	
110-82-7	Cyclohexane	<0.88	U	
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U	
124-48-1	Dibromochloromethane	<0.50	U	
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U	
95-50-1	1,2-Dichlorobenzene	<0.50	U	
541-73-1	1,3-Dichlorobenzene	<0.50	U	
106-46-7	1,4-Dichlorobenzene	<0.50	U	
75-71-8	Dichlorodifluoromethane	<0.22	U	
75-34-3	1,1-Dichloroethane	<0.24	U	
107-06-2	1,2-Dichloroethane	<0.17	U	
75-35-4	1,1-Dichloroethene	<0.41	U	
156-59-2	cis-1,2-Dichloroethene	<0.26	U	
156-60-5	trans-1,2-Dichloroethene	<0.26	U	
78-87-5	1,2-Dichloropropane	<0.23	U	
10061-01-5	cis-1,3-Dichloropropene	<0.50	U	
10061-02-6	trans-1,3-Dichloropropene	<0.23	U	
100-41-4	Ethylbenzene	<0.50	U	
591-78-6	2-Hexanone	<1.1	U	
98-82-8	Isopropylbenzene (Cumene)	0.20	J	J
79-20-9	Methyl acetate	<2.2	U	UJ
108-87-2	Methylcyclohexane	<2.3	U	
75-09-2	Methylene Chloride	<0.23	U	
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U	
1634-04-4	Methyl-tert-butyl ether	<0.17	U	

SAMPLE NO.

TF-4

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 10:34 Lab Sample ID: 40139758003

Date Analyzed: 10/18/2016 10:34 Lab File ID: 10182016.B\10181613.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

LW-3

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 21:14 Lab Sample ID: 40139758004

Date Analyzed: 10/14/2016 21:14 Lab File ID: 10142016.B\10141657.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U UJ
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UJ
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U UJ
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U UJ
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U UJ

SAMPLE NO.

LW-3

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 21:14 Lab Sample ID: 40139758004

Date Analyzed: 10/14/2016 21:14 Lab File ID: 10142016.B\10141657.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

LW-5

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 18:41 Lab Sample ID: 40139758005

Date Analyzed: 10/14/2016 18:41 Lab File ID: 10142016.B\10141650.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 2.5 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<7.4	U
71-43-2	Benzene	<1.2	U
74-97-5	Bromochloromethane	<0.85	U
75-27-4	Bromodichloromethane	<1.2	U
75-25-2	Bromoform	<1.2	U
74-83-9	Bromomethane	<6.1	U
78-93-3	2-Butanone (MEK)	<7.4	U UJ
75-15-0	Carbon disulfide	<1.5	U
56-23-5	Carbon tetrachloride	<1.2	U
108-90-7	Chlorobenzene	<1.2	U
75-00-3	Chloroethane	<0.94	U UJ
67-66-3	Chloroform	<6.2	U
74-87-3	Chloromethane	<1.2	U UJ
110-82-7	Cyclohexane	<2.2	U
96-12-8	1,2-Dibromo-3-chloropropane	<5.4	U
124-48-1	Dibromochloromethane	<1.2	U
106-93-4	1,2-Dibromoethane (EDB)	<0.44	U
95-50-1	1,2-Dichlorobenzene	<1.2	U
541-73-1	1,3-Dichlorobenzene	<1.2	U
106-46-7	1,4-Dichlorobenzene	<1.2	U
75-71-8	Dichlorodifluoromethane	<0.56	U
75-34-3	1,1-Dichloroethane	<0.60	U UJ
107-06-2	1,2-Dichloroethane	<0.42	U
75-35-4	1,1-Dichloroethene	<1.0	U
156-59-2	cis-1,2-Dichloroethene	<0.64	U UJ
156-60-5	trans-1,2-Dichloroethene	<0.64	U
78-87-5	1,2-Dichloropropane	<0.58	U
10061-01-5	cis-1,3-Dichloropropene	<1.2	U
10061-02-6	trans-1,3-Dichloropropene	<0.57	U
100-41-4	Ethylbenzene	<1.2	U
591-78-6	2-Hexanone	<2.8	U
98-82-8	Isopropylbenzene (Cumene)	<0.36	U
79-20-9	Methyl acetate	<5.4	U
108-87-2	Methylcyclohexane	<5.8	U
75-09-2	Methylene Chloride	<0.58	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<5.4	U
1634-04-4	Methyl-tert-butyl ether	<0.44	U UJ

SAMPLE NO.

LW-5

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 18:41 Lab Sample ID: 40139758005

Date Analyzed: 10/14/2016 18:41 Lab File ID: 10142016.B\10141650.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 2.5 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.62	U
127-18-4	Tetrachloroethene	<1.2	U
108-88-3	Toluene	<1.2	U
87-61-6	1,2,3-Trichlorobenzene	<5.3	U
120-82-1	1,2,4-Trichlorobenzene	<5.5	U
71-55-6	1,1,1-Trichloroethane	<1.2	U
79-00-5	1,1,2-Trichloroethane	<0.49	U
79-01-6	Trichloroethene	<0.83	U
75-69-4	Trichlorofluoromethane	<0.46	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<2.0	U
75-01-4	Vinyl chloride	<0.44	U
179601-23-1	m&p-Xylene	<2.5	U
95-47-6	o-Xylene	<1.2	U

SAMPLE NO.

MW-9R

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 10:57 Lab Sample ID: 40139758006

Date Analyzed: 10/18/2016 10:57 Lab File ID: 10182016.B\10181614.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
67-64-1	Acetone	<3.0	U	UJ
71-43-2	Benzene	<0.50	U	
74-97-5	Bromochloromethane	<0.34	U	
75-27-4	Bromodichloromethane	<0.50	U	
75-25-2	Bromoform	<0.50	U	UJ
74-83-9	Bromomethane	<2.4	U	
78-93-3	2-Butanone (MEK)	<3.0	U	UJ
75-15-0	Carbon disulfide	<0.61	U	
56-23-5	Carbon tetrachloride	<0.50	U	
108-90-7	Chlorobenzene	<0.50	U	
75-00-3	Chloroethane	<0.37	U	
67-66-3	Chloroform	<2.5	U	
74-87-3	Chloromethane	<0.50	U	
110-82-7	Cyclohexane	<0.88	U	
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U	
124-48-1	Dibromochloromethane	<0.50	U	
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U	
95-50-1	1,2-Dichlorobenzene	<0.50	U	
541-73-1	1,3-Dichlorobenzene	<0.50	U	
106-46-7	1,4-Dichlorobenzene	<0.50	U	
75-71-8	Dichlorodifluoromethane	<0.22	U	
75-34-3	1,1-Dichloroethane	<0.24	U	
107-06-2	1,2-Dichloroethane	<0.17	U	
75-35-4	1,1-Dichloroethene	<0.41	U	
156-59-2	cis-1,2-Dichloroethene	<0.26	U	
156-60-5	trans-1,2-Dichloroethene	<0.26	U	
78-87-5	1,2-Dichloropropane	<0.23	U	
10061-01-5	cis-1,3-Dichloropropene	<0.50	U	
10061-02-6	trans-1,3-Dichloropropene	<0.23	U	
100-41-4	Ethylbenzene	<0.50	U	
591-78-6	2-Hexanone	<1.1	U	
98-82-8	Isopropylbenzene (Cumene)	<0.14	U	
79-20-9	Methyl acetate	<2.2	U	UJ
108-87-2	Methylcyclohexane	<2.3	U	
75-09-2	Methylene Chloride	<0.23	U	
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U	
1634-04-4	Methyl-tert-butyl ether	<0.17	U	

SAMPLE NO.

MW-9R

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 10:57 Lab Sample ID: 40139758006

Date Analyzed: 10/18/2016 10:57 Lab File ID: 10182016.B\10181614.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

MW-10R

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 21:36 Lab Sample ID: 40139758007

Date Analyzed: 10/14/2016 21:36 Lab File ID: 10142016.B\10141658.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	34.3	
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U UJ
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UJ
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U UJ
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U UJ
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U UJ

SAMPLE NO.

MW-10R

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 21:36 Lab Sample ID: 40139758007

Date Analyzed: 10/14/2016 21:36 Lab File ID: 10142016.B\10141658.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

MW-11R

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 21:58 Lab Sample ID: 40139758008

Date Analyzed: 10/14/2016 21:58 Lab File ID: 10142016.B\10141659.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U UJ
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UJ
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U UJ
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U UJ
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U UJ

SAMPLE NO.

MW-11R

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 21:58 Lab Sample ID: 40139758008

Date Analyzed: 10/14/2016 21:58 Lab File ID: 10142016.B\10141659.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

MW-13

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 22:19 Lab Sample ID: 40139758009

Date Analyzed: 10/14/2016 22:19 Lab File ID: 10142016.B\10141660.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U UJ
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UJ
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U UJ
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U UJ
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U UJ

SAMPLE NO.

MW-13

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 22:19 Lab Sample ID: 40139758009

Date Analyzed: 10/14/2016 22:19 Lab File ID: 10142016.B\10141660.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

MW-14

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 22:41 Lab Sample ID: 40139758010

Date Analyzed: 10/14/2016 22:41 Lab File ID: 10142016.B\10141661.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U UJ
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UJ
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U UJ
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U UJ
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U UJ

SAMPLE NO.

MW-14

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/14/2016 22:41 Lab Sample ID: 40139758010

Date Analyzed: 10/14/2016 22:41 Lab File ID: 10142016.B\10141661.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSVB Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

MW-16R

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 11:19 Lab Sample ID: 40139758011

Date Analyzed: 10/18/2016 11:19 Lab File ID: 10182016.B\10181615.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U UJ
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U UJ
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U UJ
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U

SAMPLE NO.

MW-16R

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 11:19 Lab Sample ID: 40139758011

Date Analyzed: 10/18/2016 11:19 Lab File ID: 10182016.B\10181615.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

TF-10

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 11:42 Lab Sample ID: 40139758012

Date Analyzed: 10/18/2016 11:42 Lab File ID: 10182016.B\10181616.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
67-64-1	Acetone	<3.0	U	UJ
71-43-2	Benzene	<0.50	U	
74-97-5	Bromochloromethane	<0.34	U	
75-27-4	Bromodichloromethane	<0.50	U	
75-25-2	Bromoform	<0.50	U	UJ
74-83-9	Bromomethane	<2.4	U	
78-93-3	2-Butanone (MEK)	<3.0	U	UJ
75-15-0	Carbon disulfide	<0.61	U	
56-23-5	Carbon tetrachloride	<0.50	U	
108-90-7	Chlorobenzene	<0.50	U	
75-00-3	Chloroethane	0.62	J	J
67-66-3	Chloroform	<2.5	U	
74-87-3	Chloromethane	<0.50	U	
110-82-7	Cyclohexane	<0.88	U	
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U	
124-48-1	Dibromochloromethane	<0.50	U	
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U	
95-50-1	1,2-Dichlorobenzene	<0.50	U	
541-73-1	1,3-Dichlorobenzene	<0.50	U	
106-46-7	1,4-Dichlorobenzene	<0.50	U	
75-71-8	Dichlorodifluoromethane	<0.22	U	
75-34-3	1,1-Dichloroethane	<0.24	U	
107-06-2	1,2-Dichloroethane	<0.17	U	
75-35-4	1,1-Dichloroethene	<0.41	U	
156-59-2	cis-1,2-Dichloroethene	<0.26	U	
156-60-5	trans-1,2-Dichloroethene	<0.26	U	
78-87-5	1,2-Dichloropropane	<0.23	U	
10061-01-5	cis-1,3-Dichloropropene	<0.50	U	
10061-02-6	trans-1,3-Dichloropropene	<0.23	U	
100-41-4	Ethylbenzene	<0.50	U	
591-78-6	2-Hexanone	<1.1	U	
98-82-8	Isopropylbenzene (Cumene)	0.34	J	J
79-20-9	Methyl acetate	<2.2	U	UJ
108-87-2	Methylcyclohexane	<2.3	U	
75-09-2	Methylene Chloride	<0.23	U	
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U	
1634-04-4	Methyl-tert-butyl ether	<0.17	U	

SAMPLE NO.

TF-10

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 11:42 Lab Sample ID: 40139758012

Date Analyzed: 10/18/2016 11:42 Lab File ID: 10182016.B\10181616.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

TF-20

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 12:04 Lab Sample ID: 40139758013

Date Analyzed: 10/18/2016 12:04 Lab File ID: 10182016.B\10181617.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
67-64-1	Acetone	<3.0	U	UJ
71-43-2	Benzene	<0.50	U	
74-97-5	Bromochloromethane	<0.34	U	
75-27-4	Bromodichloromethane	<0.50	U	
75-25-2	Bromoform	<0.50	U	UJ
74-83-9	Bromomethane	<2.4	U	
78-93-3	2-Butanone (MEK)	<3.0	U	UJ
75-15-0	Carbon disulfide	<0.61	U	
56-23-5	Carbon tetrachloride	<0.50	U	
108-90-7	Chlorobenzene	<0.50	U	
75-00-3	Chloroethane	<0.37	U	
67-66-3	Chloroform	<2.5	U	
74-87-3	Chloromethane	<0.50	U	
110-82-7	Cyclohexane	<0.88	U	
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U	
124-48-1	Dibromochloromethane	<0.50	U	
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U	
95-50-1	1,2-Dichlorobenzene	<0.50	U	
541-73-1	1,3-Dichlorobenzene	<0.50	U	
106-46-7	1,4-Dichlorobenzene	<0.50	U	
75-71-8	Dichlorodifluoromethane	<0.22	U	
75-34-3	1,1-Dichloroethane	<0.24	U	
107-06-2	1,2-Dichloroethane	<0.17	U	
75-35-4	1,1-Dichloroethene	<0.41	U	
156-59-2	cis-1,2-Dichloroethene	<0.26	U	
156-60-5	trans-1,2-Dichloroethene	<0.26	U	
78-87-5	1,2-Dichloropropane	<0.23	U	
10061-01-5	cis-1,3-Dichloropropene	<0.50	U	
10061-02-6	trans-1,3-Dichloropropene	<0.23	U	
100-41-4	Ethylbenzene	<0.50	U	
591-78-6	2-Hexanone	<1.1	U	
98-82-8	Isopropylbenzene (Cumene)	12.6		
79-20-9	Methyl acetate	<2.2	U	UJ
108-87-2	Methylcyclohexane	<2.3	U	
75-09-2	Methylene Chloride	<0.23	U	
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U	
1634-04-4	Methyl-tert-butyl ether	<0.17	U	

SAMPLE NO.

TF-20

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 12:04 Lab Sample ID: 40139758013

Date Analyzed: 10/18/2016 12:04 Lab File ID: 10182016.B\10181617.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	1.7	J J
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

TRIP BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 12:27 Lab Sample ID: 40139758014

Date Analyzed: 10/18/2016 12:27 Lab File ID: 10182016.B\10181618.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
67-64-1	Acetone	<3.0	U	UJ
71-43-2	Benzene	<0.50	U	
74-97-5	Bromochloromethane	<0.34	U	
75-27-4	Bromodichloromethane	<0.50	U	
75-25-2	Bromoform	<0.50	U	UJ
74-83-9	Bromomethane	<2.4	U	
78-93-3	2-Butanone (MEK)	<3.0	U	UJ
75-15-0	Carbon disulfide	<0.61	U	
56-23-5	Carbon tetrachloride	<0.50	U	
108-90-7	Chlorobenzene	<0.50	U	
75-00-3	Chloroethane	<0.37	U	
67-66-3	Chloroform	<2.5	U	
74-87-3	Chloromethane	<0.50	U	
110-82-7	Cyclohexane	<0.88	U	
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U	
124-48-1	Dibromochloromethane	<0.50	U	
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U	
95-50-1	1,2-Dichlorobenzene	<0.50	U	
541-73-1	1,3-Dichlorobenzene	<0.50	U	
106-46-7	1,4-Dichlorobenzene	<0.50	U	
75-71-8	Dichlorodifluoromethane	<0.22	U	
75-34-3	1,1-Dichloroethane	<0.24	U	
107-06-2	1,2-Dichloroethane	<0.17	U	
75-35-4	1,1-Dichloroethene	<0.41	U	
156-59-2	cis-1,2-Dichloroethene	<0.26	U	
156-60-5	trans-1,2-Dichloroethene	<0.26	U	
78-87-5	1,2-Dichloropropane	<0.23	U	
10061-01-5	cis-1,3-Dichloropropene	<0.50	U	
10061-02-6	trans-1,3-Dichloropropene	<0.23	U	
100-41-4	Ethylbenzene	<0.50	U	
591-78-6	2-Hexanone	<1.1	U	
98-82-8	Isopropylbenzene (Cumene)	<0.14	U	
79-20-9	Methyl acetate	<2.2	U	UJ
108-87-2	Methylcyclohexane	<2.3	U	
75-09-2	Methylene Chloride	<0.23	U	
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U	
1634-04-4	Methyl-tert-butyl ether	<0.17	U	

SAMPLE NO.

TRIP BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 12:27 Lab Sample ID: 40139758014

Date Analyzed: 10/18/2016 12:27 Lab File ID: 10182016.B\10181618.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

SAMPLE NO.

EQUIPMENT BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 12:49 Lab Sample ID: 40139758015

Date Analyzed: 10/18/2016 12:49 Lab File ID: 10182016.B\10181619.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U UJ
71-43-2	Benzene	<0.50	U
74-97-5	Bromochloromethane	<0.34	U
75-27-4	Bromodichloromethane	<0.50	U
75-25-2	Bromoform	<0.50	U UJ
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UJ
75-15-0	Carbon disulfide	<0.61	U
56-23-5	Carbon tetrachloride	<0.50	U
108-90-7	Chlorobenzene	<0.50	U
75-00-3	Chloroethane	<0.37	U
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U
110-82-7	Cyclohexane	<0.88	U
96-12-8	1,2-Dibromo-3-chloropropane	<2.2	U
124-48-1	Dibromochloromethane	<0.50	U
106-93-4	1,2-Dibromoethane (EDB)	<0.18	U
95-50-1	1,2-Dichlorobenzene	<0.50	U
541-73-1	1,3-Dichlorobenzene	<0.50	U
106-46-7	1,4-Dichlorobenzene	<0.50	U
75-71-8	Dichlorodifluoromethane	<0.22	U
75-34-3	1,1-Dichloroethane	<0.24	U
107-06-2	1,2-Dichloroethane	<0.17	U
75-35-4	1,1-Dichloroethene	<0.41	U
156-59-2	cis-1,2-Dichloroethene	<0.26	U
156-60-5	trans-1,2-Dichloroethene	<0.26	U
78-87-5	1,2-Dichloropropane	<0.23	U
10061-01-5	cis-1,3-Dichloropropene	<0.50	U
10061-02-6	trans-1,3-Dichloropropene	<0.23	U
100-41-4	Ethylbenzene	<0.50	U
591-78-6	2-Hexanone	<1.1	U
98-82-8	Isopropylbenzene (Cumene)	<0.14	U
79-20-9	Methyl acetate	<2.2	U UJ
108-87-2	Methylcyclohexane	<2.3	U
75-09-2	Methylene Chloride	<0.23	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.1	U
1634-04-4	Methyl-tert-butyl ether	<0.17	U

SAMPLE NO.

EQUIPMENT BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay Contract: 119637 PPG

Date Received: 10/07/2016 12:50 Matrix: Water SDG No.: 40139758

Date Extracted: 10/18/2016 12:49 Lab Sample ID: 40139758015

Date Analyzed: 10/18/2016 12:49 Lab File ID: 10182016.B\10181619.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 40MSV5 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	U
127-18-4	Tetrachloroethene	<0.50	U
108-88-3	Toluene	<0.50	U
87-61-6	1,2,3-Trichlorobenzene	<2.1	U
120-82-1	1,2,4-Trichlorobenzene	<2.2	U
71-55-6	1,1,1-Trichloroethane	<0.50	U
79-00-5	1,1,2-Trichloroethane	<0.20	U
79-01-6	Trichloroethene	<0.33	U
75-69-4	Trichlorofluoromethane	<0.18	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<0.81	U
75-01-4	Vinyl chloride	<0.18	U
179601-23-1	m&p-Xylene	<1.0	U
95-47-6	o-Xylene	<0.50	U

D-2: Data Validation – SVOCs

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Tel: (412) 858-1631
richardw.mccracken@cbifederalservices.com

MEMORANDUM

TO: Scott Furlong, CB&I PPG Oak Creek Project Manager

FROM: Richard McCracken, CB&I Chemist

SUBJECT: PPG Oak Creek Data Validation - Semivolatiles
Pace Analytical Services (PACE) Project 40139758

DATE: November 1, 2016

This memorandum constitutes the data validation report for the PPG Oak Creek groundwater samples collected on October 5 and 6, 2016. The samples were analyzed for six phthalate compounds using USEPA SW846 method 8270. Twelve samples plus an equipment blank were validated. The sample IDs are:

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
TF-1	40139758001	MW-13	40139758009
TF-2	40139758002	MW-14	40139758010
TF-4	40139758003	MW-16R	40139758011
LW-3	40139758004	TF-10	40139758012
LW-5	40139758005	TF-20	40139758013
MW-9R	40139758006	Equipment Blank	40139758015
MW-11R	40139758008		

Data were reviewed and validated using a combination of project QAPP and SW846 method-specific criteria. The data qualifier scheme was consistent with the *National Functional Guidelines for Superfund Organic Data Review* (August 2014). Parameters evaluated are presented in **Table 1**. Data associated with QC parameters in compliance with quality control specifications have not been qualified. Data associated with QC parameters that did not comply with quality control specifications and directly impacting project data have been qualified in accordance with USEPA guidelines.

Table 1 Laboratory Performance Criteria

Qualified Data		Parameter
Yes	No	
	X	Holding Times and Preservation
	X	Instrument Performance Results
	X	Initial Calibration
	X	Continuing Calibration
	X	Blank Analysis
	X	Laboratory Control Sample
	X	Matrix Spike / Spike Duplicate Sample
	X	System Monitoring Compounds
X		Internal Standards
	X	Field Sample Duplicate
	X	Sample Dilution

The quality of data collected in support of this sampling activity is considered acceptable, with the noted qualifications.

Richard McCracken, Chemist

11/1/16

Date

PPG OAK CREEK VALIDATION REPORT
SEMIVOLATILES REVIEW
PACE Project 40139758

I-Holding Times and Preservation
Sample holding time, defined as the time from sample collection to sample analysis, must be kept within empirically established criteria. The SVOC holding time criteria for aqueous samples shipped @4°C ± 2°C is 7 days from sample collection extraction and 40 days from extraction to analysis.

- Preservation Review: The samples were received at the laboratory on 10/7/2016. A temperature blank was not included in the shipment, so the sample temperature was not checked. The lab noted that the samples were received on ice, no data qualifiers were required.

- Holding Time Review: The aqueous samples were collected on 10/5/16 and 10/6/16; extracted on 10/10/16, and analyzed for phthalates on 10/11/16, 10/13/16, and 10/17/16. Sample collection and analysis dates may be found on the attached Form 1s. All criteria were met, no qualifiers were applied.

II-Instrument Performance Check
The analysis of the instrument performance check solution must be performed at the beginning of each 12-hour period during which samples are analyzed.

- Samples were analyzed using instruments 40MSS8. The decafluorotriphenylphosphine (DFTPP) instrument performance check met the ion abundance criteria. All samples were analyzed within the 12 hour limit. No qualification was required.

III-Initial Calibration
Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for semivolatile target compounds. Initial calibration demonstrates that the instrument is capable of producing a linear calibration curve, and establishes the relative response factors on which the quantitations are based. The samples in this data package were analyzed for phthalates only. The RRF must be greater than 0.01 for each of the target phthalates, while the %RSD must be < 20%. If the %RSD criteria is not met, linear regression or second order evaluation of the curve may be employed; correlation coefficients and coefficients of determination must be >0.99.

- During the SVOC initial calibration performed on 6/13/16 using instrument 40MSS8, all target compounds met criteria. Samples 40139758-001, 002, -003, -004, -005, -006, -008, -009, -010, -011, and -012 were analyzed in conjunction with this initial calibration.

- During the SVOC initial calibration performed on 10/17/16 using instrument 40MSS8, all target compounds met criteria. Samples 40139758-013 and -015 were analyzed in conjunction with this initial calibration.

IV-Continuing Calibration
Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for semivolatile target compounds. Continuing calibration checks satisfactory performance of the instrument on a day-to-day basis. The samples in this data package were analyzed for phthalates only. The RRF must be greater than 0.01 for each of the target phthalates, while the %D between the initial calibration RRF and the continuing calibration RRF must be < 20%. Second source ICV recoveries should be within 70%≤%R≤130%.

- During second source ICV performed on 6/13/16 @1053 using instrument 40MSS8, all target compounds met criteria. No samples were analyzed following this ICV.

- During continuing calibration verification (CCV) performed on 10/11/16 @0644 using instrument 40MSS8, all target compounds met criteria. Samples 40139758-001, 002, -003, -004, -005, -006, -008, -009, and -012 were analyzed following this CCV.

- During continuing calibration verification (CCV) performed on 10/13/16 @0650 using instrument 40MSS8, all target compounds met criteria. Samples 40139758-010 and -011 were analyzed following this CCV.

- During second source ICV performed on 10/17/16 @1153 using instrument 40MSS8, all target compounds met criteria. Samples 40139758-013 and -015 were analyzed following this ICV.

V-Blank Analysis

The purpose of blank analyses is to determine the presence and magnitude of contamination problems resulting from field and laboratory activities. A method blank analysis must be performed after the calibration standards and once every 12-hour time period beginning with the injection of DFTPP. No contaminants should be detected in any of the associated blanks > the reporting limit. Positive sample results are reported and qualified "J", if the concentration of the compound in the sample is ≤10 times (10x) the maximum amount in any blank for the common laboratory contaminants, or 5 times (5x) the maximum amount for other target compounds. **Table 2** summarizes the blank contamination analysis. The equipment blank was also used to evaluate the groundwater sample data.

Table 2 Blank Analysis Summary

Analysis Date	QC Blank ID	Compound	Max Conc. µg/L	Action Level µg/L	B qualified samples (for this SDG)
10/11/16	1408139	All target <RL	NA	NA	None
10/17/16	Equipment Blank	All target <RL	NA	NA	None

NA = Not Applicable
RL = Reporting Limit

VI-Laboratory Control Sample

Laboratory control samples (LCS) are used to monitor laboratory accuracy for each sample batch by calculating the percent recoveries of the spiked compounds. All LCS/LCSD percent recoveries must be within historically-derived laboratory control limits.

- Sample 1408140 was the aqueous LCS for SVOC QC batch 237559, analyzed on 10/11/16 using instrument 40MSS8. All target compounds met recovery criteria. All samples were analyzed in conjunction with this LCS.

VII-Matrix Spike/Matrix Spike Duplicate

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The percent recoveries (%Rs) and the relative percent differences (RPDs) must be within the historically-derived control limits.

- Sample LW-5 (40139758005) was used as the MS/MSD during phthalate analysis. All target compounds met recovery and RPD criteria.

VIII-System Monitoring Compounds (Surrogates)

Laboratory performance on individual samples is evaluated through the review of surrogate spike samples. System monitoring compounds recoveries in field and QC samples must be within the historically-derived control limits.

- All samples met recovery criteria. No qualifiers were applied.

IX-Internal Standards (IS)
Internal standards performance criteria ensure that GC/MS sensitivity and response are stable during every analytical run. Specific criteria include: area counts (-50% to +100%) of the associated calibration standard, and retention time (± 30 seconds) from that of the associated calibration standard.

- Method blank 1408139 had two (of six) internal standards with low area counts. No data qualification is required.

- Sample 40139758013 (TF-20) had four (of four) internal standards with high area counts, while 40139758015 (Equipment Blank) had two (of four) internal standards with high area counts. All results for these two samples have been qualified "J/UJ".

- All other field and QC samples met criteria.

X-Field Duplicate Sample Analysis
Field duplicates were collected to identify the cumulative precision of the sampling and analytical process and sent to the laboratory blind. The RPD was calculated only for those analytes which were detected at levels exceeding the method reporting limits in both samples of the duplicate pair. Analytes that were rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. Precision control criterion was established at 50% RPD for the aqueous samples.

- Field duplicate pairs in this data package included TF-1 & TF-10, and TF-2 & TF-20. No target compounds were detected in any of the samples, no data qualification is required.

XI-Sample Dilution

- Sample LW-5 was analyzed using a 8X dilution due to a matrix interference (as indicated in the case narrative). During follow-up discussions, the laboratory indicated the presence of a large peak, tentatively identified as dibutoxy-methanol, that necessitated the dilution. Note that the identification of the interfering peak is only tentative (based on spectral matching efforts) since the instrument calibration did not include a dibutoxy-methanol standard. MS/MSD analysis was performed using LW-5, with the spike including all target compounds. The recoveries and RPDs of all target compounds met criteria, indicating that the interfering peak did not hinder target compound identification or quantitation. No data qualification is required.

- Sample TF-10 was analyzed using a 4X dilution due to a matrix interference (as indicated in the case narrative). During follow-up discussions, the laboratory indicated the presence of a large peak, tentatively identified as bisphenol-A, that necessitated the dilution. Note that the identification of the interfering peak is only tentative (based on spectral matching efforts) since the instrument calibration did not include a bisphenol-A standard. No data qualification is required.

Laboratory and Data Verification Qualifiers

Qualifier	Definition
USEPA Validation Qualifiers[1]	
U	The analyte was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

[1]The USEPA data validation qualifiers were applied "as needed" and are referenced from *EPA National Functional Guidelines for Superfund Organic Data Review, EPA 540-R-014-002 (EPA, 2014).*

SAMPLE NO.

TF-1

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758001
Date Analyzed: 10/11/2016 15:54
Lab File ID: 101116.B\10111628.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.74	U
84-66-2	Diethylphthalate	<1.0	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

TF-2

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758002
Date Analyzed: 10/11/2016 16:15
Lab File ID: 101116.B\10111629.D
Initial wt/vol: 1030 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.75	U
84-66-2	Diethylphthalate	<1.1	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

TF-4

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758003
Date Analyzed: 10/11/2016 16:36
Lab File ID: 101116.B\10111630.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.74	U
84-66-2	Diethylphthalate	<1.0	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

LW-3

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758004
Date Analyzed: 10/11/2016 16:58
Lab File ID: 101116.B\10111631.D
Initial wt/vol: 990 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.78	U
84-66-2	Diethylphthalate	<1.1	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.6	U
117-84-0	Di-n-octylphthalate	<1.9	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.70	U

SAMPLE NO.

LW-5

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758005
Date Analyzed: 10/11/2016 12:01
Lab File ID: 101116.B\10111617.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 8
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<6.0	U
84-66-2	Diethylphthalate	<8.3	U
131-11-3	Dimethylphthalate	<14.8	U
84-74-2	Di-n-butylphthalate	<19.7	U
117-84-0	Di-n-octylphthalate	<14.6	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.3	U

SAMPLE NO.

MW-9R

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758006
Date Analyzed: 10/11/2016 17:19
Lab File ID: 101116.B\10111632.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.74	U
84-66-2	Diethylphthalate	<1.0	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

MW-11R

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758008
Date Analyzed: 10/11/2016 17:40
Lab File ID: 101116.B\10111633.D
Initial wt/vol: 1010 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.77	U
84-66-2	Diethylphthalate	<1.1	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.9	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.69	U

SAMPLE NO.

MW-13

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758009
Date Analyzed: 10/11/2016 18:01
Lab File ID: 101116.B\10111634.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.74	U
84-66-2	Diethylphthalate	<1.0	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

MW-14

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758010
Date Analyzed: 10/13/2016 15:02
Lab File ID: 101316.B\10131625.D
Initial wt/vol: 1030 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.75	U
84-66-2	Diethylphthalate	<1.1	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

MW-16R

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758011
Date Analyzed: 10/13/2016 15:24
Lab File ID: 101316.B\10131626.D
Initial wt/vol: 1020 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.76	U
84-66-2	Diethylphthalate	<1.1	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.9	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.68	U

SAMPLE NO.

TF-10

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758012
Date Analyzed: 10/11/2016 15:11
Lab File ID: 101116.B\10111626.D
Initial wt/vol: 1020 mL Final wt/vol: 1 mL Dilution: 4
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<3.0	U
84-66-2	Diethylphthalate	<4.2	U
131-11-3	Dimethylphthalate	<7.6	U
84-74-2	Di-n-butylphthalate	<10.1	U
117-84-0	Di-n-octylphthalate	<7.4	U
117-81-7	bis(2-Ethylhexyl)phthalate	<2.7	U

SAMPLE NO.

TF-20

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758013
Date Analyzed: 10/17/2016 17:35
Lab File ID: 101716.B\10171630.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.74	U UJ
84-66-2	Diethylphthalate	<1.0	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

SAMPLE NO.

EQUIPMENT BLANK

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay
Contract: 119637 PPG
Date Received: 10/07/2016 12:50
Matrix: Water SDG No.: 40139758
Date Extracted: 10/10/2016 08:35
Lab Sample ID: 40139758015
Date Analyzed: 10/17/2016 17:57
Lab File ID: 101716.B\10171631.D
Initial wt/vol: 1040 mL Final wt/vol: 1 mL Dilution: 1
Instrument: 40MSS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
85-68-7	Butylbenzylphthalate	<0.74	U UJ
84-66-2	Diethylphthalate	<1.0	U
131-11-3	Dimethylphthalate	<1.9	U
84-74-2	Di-n-butylphthalate	<2.5	U
117-84-0	Di-n-octylphthalate	<1.8	U
117-81-7	bis(2-Ethylhexyl)phthalate	<0.67	U

D-3: Data Validation - Metals

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MEMORANDUM

TO: Scott Furlong, CB&I PPG Oak Creek Project Manager

FROM: Richard McCracken, CB&I Chemist

SUBJECT: PPG Oak Creek Data Validation - Metals
Pace Analytical Services (PACE) Project 40139758

DATE: November 2, 2016

This memorandum constitutes the data validation report for the PPG Oak Creek groundwater samples collected on October 5 and 6, 2016. The samples were analyzed for the eight RCRA metals using USEPA SW-846 methods 3010A/6010B and 7470A. The sample IDs are:

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
TF-1	40139758001	MW-13	40139758009
TF-2	40139758002	MW-14	40139758010
TF-4	40139758003	MW-16R	40139758011
LW-3	40139758004	TF-10	40139758012
LW-5	40139758005	TF-20	40139758013
MW-9R	40139758006	Equipment Blank	40139758015
MW-11R	40139758008		

Data were reviewed and validated using a combination of project QAPP and SW846 method-specific criteria. The data qualifier scheme was consistent with the *National Functional Guidelines for Inorganic Superfund Data Review* (August 2014). Parameters evaluated are presented in **Table 1**. Data associated with QC parameters in compliance with quality control specifications have not been qualified. Data associated with QC parameters that did not comply with quality control specifications and directly impacting project data have been qualified in accordance with USEPA guidelines.

Table 1 Laboratory Performance Criteria

Qualified Data		Parameter
Yes	No	
	X	Holding Times and Preservation
	X	Initial and Continuing Calibration
X		Blank Analysis
	X	ICP Interference Check Sample
	X	Laboratory Control Sample
	X	Matrix Spike/Spike Duplicate
	X	Field Duplicate

The quality of data collected in support of this sampling activity is considered acceptable, with the noted qualifications.

Richard M. Eacker

Richard McCracken, Chemist

11/2/16

Date

PPG OAK CREEK VALIDATION REPORT
METALS REVIEW
PACE Project 40139758

I-Holding Times and Preservation

Sample holding time, defined as the time from sample collection to sample analysis, must be kept within empirically established criteria. The holding time for metals analysis of aqueous samples preserved to pH<2 with nitric acid is 180 days for ICP metals and 28 days for mercury.

- The aqueous samples were collected on 10/5/16 and 10/6/16. The COC indicated that the metals aliquots were preserved with nitric acid, and the lab confirmed that pHs were < 2. The samples were digested for ICP metals on 10/11/16; analyzed for ICP metals on 10/11/16; digested for mercury on 10/20/16; and analyzed for mercury on 10/21/16. The analysis dates for each sample may be found on the attached Form 1s. All criteria were met, no qualifiers were applied.

II-Initial and Continuing Calibration

Requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of the analysis run, and continuing calibration verification documents that the initial calibration is still valid.

ICP: 1- blank
1 – daily standard, within the dynamic linear range
ICV/CCV, 90-110%
CRDL, 50-150%

Hg: 1- blank
5 – standards, r≥0.995
ICV/CCV, 85-115%
CRDL, 70-130%

- ICP metals analysis was performed on 10/11/16. The daily calibration consisted of a blank and one standard. The ICV and all CCVs met recovery criteria.

- The ICP CRDL check standard met criteria.

- Mercury analysis was performed on 10/20/16. The calibration curve consisted of a blank and five standards. The ICV and all CCVs met recovery criteria.

- The mercury CRDL check standard met criteria.

III-Blanks

The purpose of blank analyses is to determine the presence and magnitude of contamination problems resulting from field and laboratory activities. One method blank must be prepared with each analytical batch. Calibration blanks are analyzed initially, and at a 10% frequency thereafter. No contaminants should be detected in any of the associated blanks >PQL. Positive sample results are reported and qualified if the concentration of the compound in the sample is ≤10 times the maximum concentration in the blank. **Table 2** summarizes the blank analytical results.

Table 2 Blank Analytical Results

Analysis Date	Analysis	QC Blank ID	Concentration µg/L	Action Level µg/L	Qualified samples
10/11/16	As	CCB at 0952	8.6	43	No field samples analyzed in conjunction with this blank.
10/11/16	ICP metals	ICB/all other CCBs	< MDL	NA	None
10/11/16	Se	1408883	5.7	28.5	All Se detections have been raised to the PQL and qualified "U".
10/11/16	ICP metals except Se	1408883	< MDL	NA	None
10/11/16	ICP metals	Equipment Blank	< MDL	NA	None
10/20/16	Hg	ICB/CCBs	< PQL	NA	None
10/20/16	Hg	1414263	< MDL	NA	None
10/20/16	Hg	Equipment Blank	< MDL	NA	None

MDL = Method Detection Limit
PQL = Practical Quantitation Limit
NA = Not Applicable

IV-ICP Interference Check Sample (ICS)
The ICP interference check sample (ICS) verifies inter-element and background correction factors. ICP Interference Check is performed at the beginning of each sample analysis run. Control limits are 80-120%.

- All criteria were met for the ICP metals. No qualifiers were applied.

V-Laboratory Control Samples (LCS)
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. The aqueous LCS criteria are 80-120%.

- Sample 1408884 was the LCS for ICP metals batch 237776, analyzed on 10/11/16. All criteria were met. No qualifiers were applied. All samples were analyzed in conjunction with this LCS.

- Sample 1414264 was the LCS for mercury batch 238721, analyzed on 10/20/16. All criteria were met. No qualifiers were applied. All samples were analyzed in conjunction with this LCS.

VI-Matrix Spike (MS) and Spike Duplicate (MSD)
MS and MSD are generated to determine long-term accuracy and precision of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. Matrix spike samples are analyzed at a frequency of one MS/MSD per 20 samples. Recoveries and relative percent difference criteria are 75-125% and < 20% respectively.

- Sample LW-5 (40139758005) was used as the MS/MSD during ICP metals analysis. All metals met recovery and RPD criteria.

- Sample LW-5 (40139758005) was used as the MS/MSD during mercury analysis. The recoveries and RPD met criteria, no data qualification was required.

VI-Field Duplicate Sample Analysis
Field duplicates were collected to identify the cumulative precision of the sampling and analytical process, and were sent to the laboratory blind. The RPD was calculated only for those analytes which were detected at levels exceeding the Practical Quantitation Limits in both samples of the duplicate pair. Analytes that were rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. Precision control criterion was established at 50% RPD for the aqueous samples.

- Field duplicate pairs in this data package included TF-1 & TF-10, and TF-2 & TF-20. RPD criteria were met for detected analytes in both duplicate pairs, no data qualification is required

Laboratory and Data Verification Qualifiers

Qualifier	Definition
USEPA Validation Qualifiers[1]	
U	The analyte was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

[1]The USEPA data validation qualifiers were applied as needed, referenced from *EPA National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-013-001 (EPA, 2014)*.

SAMPLE NO.

TF-1

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	16.2	J	ug/L	1	10/11/2016 19:47
7440-39-3	Barium, Dissolved	115		ug/L	1	10/11/2016 19:47
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:47
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:47
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:47
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 19:47
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:47

SAMPLE NO.

TF-2

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	13.0	J	ug/L	1	10/11/2016 19:49
7440-39-3	Barium, Dissolved	118		ug/L	1	10/11/2016 19:49
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:49
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:49
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:49
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 19:49
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:49

SAMPLE NO.

TF-4

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	12.7	J	J ug/L	1	10/11/2016 19:51
7440-39-3	Barium, Dissolved	98.1		ug/L	1	10/11/2016 19:51
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:51
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:51
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:51
7782-49-2	Selenium, Dissolved	~~0.1~~ 20	U U	ug/L	1	10/11/2016 19:51
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:51

SAMPLE NO.

LW-3

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	6.6	J	ug/L	1	10/11/2016 19:54
7440-39-3	Barium, Dissolved	129		ug/L	1	10/11/2016 19:54
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:54
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:54
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:54
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 19:54
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:54

SAMPLE NO.

LW-5

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	10.7	J	J ug/L	1	10/11/2016 19:40
7440-39-3	Barium, Dissolved	97.8		ug/L	1	10/11/2016 19:40
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:40
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:40
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:40
7782-49-2	Selenium, Dissolved	~~5.7~~ 30	J	J ug/L	1	10/11/2016 19:40
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:40

SAMPLE NO.

MW-9R

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	6.5	J	J ug/L	1	10/11/2016 19:56
7440-39-3	Barium, Dissolved	265		ug/L	1	10/11/2016 19:56
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:56
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:56
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:56
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 19:56
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:56

SAMPLE NO.

MW-11R

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	<5.4	U	ug/L	1	10/11/2016 19:59
7440-39-3	Barium, Dissolved	152		ug/L	1	10/11/2016 19:59
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 19:59
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 19:59
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 19:59
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 19:59
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 19:59

SAMPLE NO.

MW-13

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	7.1	J J	ug/L	1	10/11/2016 20:01
7440-39-3	Barium, Dissolved	145		ug/L	1	10/11/2016 20:01
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 20:01
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 20:01
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 20:01
7782-49-2	Selenium, Dissolved	~~8.0~~ 20	~~J~~ U	ug/L	1	10/11/2016 20:01
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:01

SAMPLE NO.

MW-14

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758010 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	7.1	J	ug/L	1	10/11/2016 20:08
7440-39-3	Barium, Dissolved	108		ug/L	1	10/11/2016 20:08
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 20:08
7440-47-3	Chromium, Dissolved	3.7	J	ug/L	1	10/11/2016 20:08
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 20:08
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 20:08
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:08

SAMPLE NO.

MW-16R

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758011 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	12.0	J J	ug/L	1	10/11/2016 20:11
7440-39-3	Barium, Dissolved	240		ug/L	1	10/11/2016 20:11
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 20:11
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 20:11
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 20:11
7782-49-2	Selenium, Dissolved	~~7.5~~ 20	U U	ug/L	1	10/11/2016 20:11
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:11

SAMPLE NO.

TF-10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758012 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	11.8	J	J ug/L	1	10/11/2016 20:13
7440-39-3	Barium, Dissolved	116		ug/L	1	10/11/2016 20:13
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 20:13
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 20:13
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 20:13
7782-49-2	Selenium, Dissolved	~~12.6~~ 10	J	J ug/L	1	10/11/2016 20:13
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:13

SAMPLE NO.

TF-20

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758013 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	10.6	J	J ug/L	1	10/11/2016 20:15
7440-39-3	Barium, Dissolved	117		ug/L	1	10/11/2016 20:15
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 20:15
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 20:15
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 20:15
7782-49-2	Selenium, Dissolved	7.7 J0	J U	ug/L	1	10/11/2016 20:15
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:15

SAMPLE NO.

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FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG

Lab Sample ID: 40139758015 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-38-2	Arsenic, Dissolved	<5.4	U	ug/L	1	10/11/2016 20:18
7440-39-3	Barium, Dissolved	<1.5	U	ug/L	1	10/11/2016 20:18
7440-43-9	Cadmium, Dissolved	<1.3	U	ug/L	1	10/11/2016 20:18
7440-47-3	Chromium, Dissolved	<2.5	U	ug/L	1	10/11/2016 20:18
7439-92-1	Lead, Dissolved	<4.3	U	ug/L	1	10/11/2016 20:18
7782-49-2	Selenium, Dissolved	<5.6	U	ug/L	1	10/11/2016 20:18
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:18

SAMPLE NO.

TF-1

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:37

SAMPLE NO.

TF-2

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:39

SAMPLE NO.

TF-4

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:42

SAMPLE NO.

LW-3

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:44

SAMPLE NO.

LW-5

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:30

SAMPLE NO.

MW-9R

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:46

SAMPLE NO.

MW-11R

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:53

SAMPLE NO.

MW-13

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:56

SAMPLE NO.

MW-14

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758010 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 10:58

SAMPLE NO.

MW-16R

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG

Lab Sample ID: 40139758011 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 11:00

SAMPLE NO.

TF-10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758012 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 11:03

SAMPLE NO.

TF-20

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758013 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 11:05

SAMPLE NO.

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FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Green Bay SDG No. : 40139758 Contract: 119637 PPG
Lab Sample ID: 40139758015 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury, Dissolved	<0.13	U	ug/L	1	10/21/2016 11:07