

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

Prepared for:



PPG  
Pittsburgh, Pennsylvania

Prepared by:



CB&I Environmental & Infrastructure, Inc.  
Pittsburgh, Pennsylvania

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## *List of Acronyms & Abbreviations*

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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
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
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

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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

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The Facility is located at 10800 South 13<sup>th</sup> 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*

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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, four 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 13<sup>th</sup> 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

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### 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 the electronic data file provided by Pace Analytical Services, LLC. Because of the size of these files, Appendix C is included in this report on compact disk. 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 micrograms 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.

## 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.

### 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 are greater than 575 feet msl but all are less than 576 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*

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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*

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**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	582.37	582.08
LW-3	315994.65	2523889.14	582.32	581.92
LW-5	315903.32	2524191.94	581.07	583.86
MW-9R	315658.78	2523988.47	580.83	583.42
MW-10R	315679.17	2524387.53	578.52	580.92
MW-11R	315956.83	2524419.74	574.43	576.53
MW-12	316321.41	2524440.95	570.98	573.45
MW-13	316133.93	2524437.55	569.34	571.89
MW-14	316077.69	2524266.35	580.05	579.65
MW-16R	316094.69	2524125.69	581.92	584.16
TF-1	315880.83	2524106.30	582.87	584.90
TF-2	315947.76	2524157.80	582.27	583.66
TF-3	315983.47	2523976.98	583.05	585.38
TF-4	315899.45	2523976.66	583.06	584.69

**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 sea 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	<b>16.2 J / 11.8 J</b>	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	<b>13.0 J / 10.6 J</b>	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	<b>12.7 J</b>	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	<b>10.7 J</b>	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	<b>12.0 J</b>	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	582.37	582.08	6.93	6.64	575.44	6.74	6.45	575.63
LW-3	582.32	581.92	8.84	8.44	573.48	8.80	8.40	573.52
LW-5	581.07	583.86	5.85	8.64	575.22	5.49	8.28	575.58
MW-9R	580.83	583.42	6.14	8.73	574.69	5.56	8.15	575.27
MW-10R	578.52	580.92	13.80	16.20	564.72	11.15	13.55	567.37
MW-11R	574.43	576.53	2.65	4.75	571.78	2.03	4.13	572.40
MW-12	570.98	573.45	5.40	7.87	565.58	5.16	7.63	565.82
MW-13	569.34	571.89	2.40	4.95	566.94	0.85	3.40	568.49
MW-14	580.05	579.65	5.44	5.04	574.61	5.44	5.04	574.61
MW-16R	581.92	584.16	3.99	6.23	577.93	3.68	5.92	578.24
TF-1	582.87	584.90	7.42	9.45	575.45	7.24	9.27	575.63
TF-2	582.27	583.66	6.66	8.05	575.61	6.45	7.84	575.82
TF-3	583.05	585.38	7.66	9.99	575.39	7.41	9.74	575.64
TF-4	583.06	584.69	7.69	9.32	575.37	7.45	9.08	575.61

**Notes:**

bgs - below ground surface.

msl - mean seal level.

TOC - top of casing.

*Figures*

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



DRAWING NUMBER 119637-B26

APPROVED BY

CHECKED BY W. Stanhope

DRAWN BY B. Faison 11/30/16

OFFICE Pittsburgh, PA

- 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.



**CBI** 500 Penn Center Boulevard, Suite 10  
 Pittsburgh, PA 15235

PPG  
 OAK CREEK, WISCONSIN

**FIGURE 2**  
**GENERAL SITE LAYOUT**  
 STATEMENT OF BASIS  
 OAK CREEK, WISCONSIN

DRAWING NUMBER  
119637-B25

APPROVED BY

CHECKED BY  
W. Stanhope

DRAWN BY  
B. Faison

OFFICE  
Pittsburgh, PA

DATE  
11/14/16

FILE PATH  
O:\Project\PPG\119637\119637B25.dwg  
DATE/TIME  
Dec 01, 2016 - 9:46am  
PLOTTER  
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)	<b>12.0</b>	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)	<b>13 / 10.6</b>	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)	<b>10.7</b>	J	10
		Barium (dissolved)	97.8		2000

Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
TF-4	6-Oct-16	Arsenic (dissolved)	<b>12.7</b>	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)	<b>16.2 / 11.8</b>	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

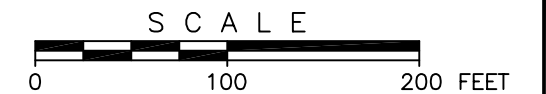
Location	Date	Parameter	Result (ug/L)	VQ	MCL (ug/L)
MW-9R	5-Oct-16	Arsenic (dissolved)	6.5	J	10
		Barium (dissolved)	265		2000

**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. BOLD 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.



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Pittsburgh, PA 15235

PPG  
OAK CREEK, WISCONSIN

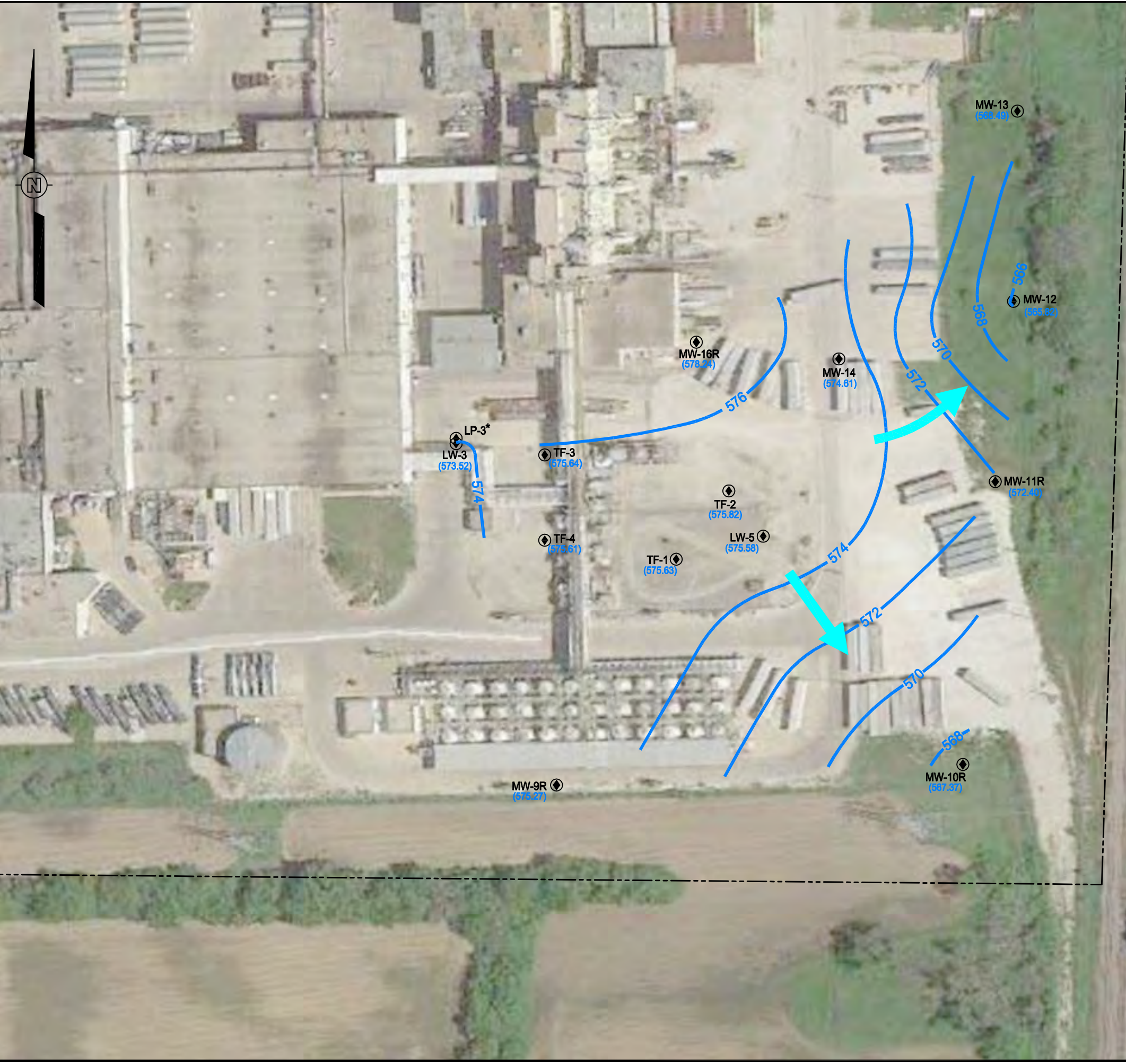
**FIGURE 3**  
**DISTRIBUTION OF DETECTED**  
**CONSTITUENTS IN GROUNDWATER**  
**STATEMENT OF BASIS**  
**OAK CREEK, WISCONSIN**

Image: 12-13-07.jpg  
3623\_001.jpg  
CBL\_Logo\_Color.jpg  
Oak Creek Site.jpg  
Oak Creek Site 1.jpg  
site.jpg

Image: 12-13-07.jpg  
 3623\_001.jpg  
 9-25-07.jpg  
 CBI\_Logo\_Color.jpg  
 Oak Creek Site.jpg  
 Oak Creek Site.jpg  
 site.jpg

File: O:\Project\PPG\119637\119637B25.dwg  
 Plot Date/Time: Dec 01, 2016 - 9:47am  
 Plotted By: bernadette.oconnor

OFFICE Pittsburgh, PA  
 DRAWN BY B. Faison  
 CHECKED BY W. Stanhope  
 APPROVED BY  
 DRAWING NUMBER 119637-B25



**LEGEND:**

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



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 Pittsburgh, PA 15235

PPG  
 OAK CREEK, WISCONSIN

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

*Appendix A*

*Field Logs*

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## *A-1: Monitoring Well Abandonment Logs*

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**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.

<input type="checkbox"/> <b>Verification Only of Fill and Seal</b> MW-11	<b>Route to DNR Bureau:</b> <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
---	---

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

County <b>Milwaukee</b>	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name <b>PPG</b>		
Latitude / Longitude (see instructions) <b>42.849654</b> N <b>-87.932371</b> W			Facility ID (FID or PWS) <b>241014620</b>	License/Permit/Monitoring # _____	
Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM			Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		
1/4 / 1/4 <b>NW</b> 1/4 <b>SW</b>		Section <b>32</b>	Township <b>5</b> N	Range <b>22</b> E <input type="checkbox"/> W	Original Well Owner <b>PPG</b>
Well Street Address <b>10800 South 13th Street</b>			Present Well Owner <b>PPG</b>		
Well City, Village or Town <b>Oak Creek</b>			Mailing Address of Present Owner <b>One PPG Place</b>		
Subdivision Name			Lot #	City of Present Owner <b>Pittsburgh</b>	State <b>PA</b> ZIP Code <b>15272</b>
Reason for Removal from Service <b>Damaged</b>		WI Unique Well # of Replacement Well <b>PH743</b>			

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

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>01/21/1987</b>	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Borehole / Drillhole		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Total Well Depth From Ground Surface (ft.) <b>15</b>	Casing Diameter (in.) <b>2</b>				
Lower Drillhole Diameter (in.)	Casing Depth (ft.) <b>15</b>				
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown					
If yes, to what depth (feet)?	Depth to Water (feet) <b>Unknown</b>				

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<b>Bentonite chips</b>	Surface	<b>15</b>	<b>1/2 bag</b>	

**6. Comments**

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

Name of Person or Firm Doing Filling & Sealing <b>On-Site Environmental</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>10/04/2016</b>	Date Received	Noted By
Street or Route <b>P.O. Box 280</b>		Telephone Number <b>( 608 ) 837-8992</b>		Comments
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work	
			Date Signed <b>10/10/2016</b>	

**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.

<input type="checkbox"/> <b>Verification Only of Fill and Seal</b> MW-15	<b>Route to DNR Bureau:</b> <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
---	---

1. Well Location Information	2. Facility / Owner Information
County: <u>Milwaukee</u> WI Unique Well # of Removed Well: _____ Hicap #: _____	Facility Name: <u>PPG</u> Facility ID (FID or PWS): <u>241014620</u>

Latitude / Longitude (see instructions) <u>42.849654</u> N <u>-87.932371</u> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
--	---	---

1/4 / 1/4 <u>NW</u> / <u>SW</u> or Gov't Lot # Section: <u>32</u> Township: <u>5</u> N    Range: <u>22</u> E <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner: <u>PPG</u> Present Well Owner: <u>PPG</u>
--	---

Well Street Address: <u>10800 South 13th Street</u>	Mailing Address of Present Owner: <u>One PPG Place</u>
Well City, Village or Town: <u>Oak Creek</u>	Well ZIP Code: _____
Subdivision Name: _____	Lot #: _____
City of Present Owner: <u>Pittsburgh</u>	State: <u>PA</u> ZIP Code: <u>15272</u>

Reason for Removal from Service: <u>Damaged</u>	WI Unique Well # of Replacement Well: <u>NA</u>
---	---

3. Filled & Sealed Well / Drillhole / Borehole Information	4. Pump, Liner, Screen, Casing & Sealing Material
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole Original Construction Date (mm/dd/yyyy): <u>01/26/1987</u> If a Well Construction Report is available, please attach.	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

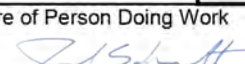
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
---	---

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
--	---

Total Well Depth From Ground Surface (ft.): <u>35</u>	Casing Diameter (in.): <u>2</u>
Lower Drillhole Diameter (in.): _____	Casing Depth (ft.): <u>35</u>
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Sealing Materials: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips
If yes, to what depth (feet)? _____	Depth to Water (feet): <u>Unknown</u>
For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>	<u>Surface</u>	<u>35</u>	<u>2/3 bag</u>	

6. Comments	

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing: <u>On-Site Environmental</u>	License #: _____	Date of Filling & Sealing or Verification (mm/dd/yyyy): <u>10/04/2016</u>	Date Received: _____	Noted By: _____	
Street or Route: <u>P.O. Box 280</u>	Telephone Number: <u>( 608 ) 837-8992</u>	Comments: _____			
City: <u>Sun Prairie</u>	State: <u>WI</u>	ZIP Code: <u>53590</u>	Signature of Person Doing Work: 	Date Signed: <u>10/10/2016</u>	

**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			2. Facility / Owner Information		
County <b>Milwaukee</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>PPG</b>		

Latitude / Longitude (see instructions) <b>42.849654</b> N <b>-87.932371</b> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <b>241014620</b>	License/Permit/Monitoring #	
--	---	---	--	-----------------------------	--

¼ / ¼ <b>NW</b> ¼ <b>SW</b> or Gov't Lot #	Section <b>32</b>	Township <b>5</b> N	Range <b>22</b> E <input type="checkbox"/> W	Original Well Owner <b>PPG</b>
---	----------------------	------------------------	--	-----------------------------------

Well Street Address <b>10800 South 13th Street</b>	Present Well Owner <b>PPG</b>
---	----------------------------------

Well City, Village or Town <b>Oak Creek</b>	Well ZIP Code	Mailing Address of Present Owner <b>One PPG Place</b>
--	---------------	--

Subdivision Name	Lot #	City of Present Owner <b>Pittsburgh</b>	State <b>PA</b>	ZIP Code <b>15272</b>
------------------	-------	--	--------------------	--------------------------

Reason for Removal from Service <b>Damaged</b>	WI Unique Well # of Replacement Well <b>PH744</b>	4. Pump, Liner, Screen, Casing & Sealing Material		
---	--	---	--	--

3. Filled & Sealed Well / Drillhole / Borehole Information		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>01/27/1987</b>	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

<input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug	Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____	Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material
Total Well Depth From Ground Surface (ft.) <b>15</b>	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
Casing Diameter (in.) <b>2</b>	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____

Lower Drillhole Diameter (in.)	Casing Depth (ft.) <b>15</b>	Sealing Materials
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, to what depth (feet)?	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete
Depth to Water (feet) <b>Unknown</b>		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips

5. Material Used to Fill Well / Drillhole			
<b>Bentonite chips</b>	From (ft.) Surface	To (ft.) <b>15</b>	No. Yards, Sacks Sealant or Volume (circle one) <b>1/2 bag</b>
			Mix Ratio or Mud Weight

**6. Comments**

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>On-Site Environmental</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>10/04/2016</b>	Date Received	Noted By
Street or Route <b>P.O. Box 280</b>	Telephone Number <b>( 608 ) 837-8992</b>	Comments		
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	Date Signed <b>10/10/2016</b>



**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.

**Route to DNR Bureau:**

**Verification Only of Fill and Seal**

LP-2

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

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

County: Milwaukee      WI Unique Well # of Removed Well: \_\_\_\_\_      Hicap #: \_\_\_\_\_

Facility Name: PPG

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

Facility ID (FID or PWS): 241014620

1/4 / 1/4 NW      1/4 SW      Section: 32      Township: 5 N      Range: 22 E       E       W

License/Permit/Monitoring #: \_\_\_\_\_

Well Street Address: 10800 South 13th Street

Original Well Owner: PPG

Well City, Village or Town: Oak Creek      Well ZIP Code: \_\_\_\_\_

Present Well Owner: PPG

Subdivision Name: \_\_\_\_\_      Lot #: \_\_\_\_\_

Mailing Address of Present Owner: One PPG Place

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

City of Present Owner: Pittsburgh      State: PA      ZIP Code: 15272

**3. Filled & Sealed Well / Drillhole / Borehole Information**

Monitoring Well      Original Construction Date (mm/dd/yyyy): 09/17/1996  
 Water Well  
 Borehole / Drillhole      If a Well Construction Report is available, please attach.

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

Construction Type:  
 Drilled       Driven (Sandpoint)       Dug  
 Other (specify): \_\_\_\_\_

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

Formation Type:  
 Unconsolidated Formation       Bedrock

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

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

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

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

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

Was well annular space grouted?  Yes  No  Unknown

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

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

**5. Material Used to Fill Well / Drillhole**

Bentonite chips

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

**6. Comments**

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

Name of Person or Firm Doing Filling & Sealing: <u>On-Site Environmental</u>	License #: _____	Date of Filling & Sealing or Verification (mm/dd/yyyy): <u>10/04/2016</u>	Date Received: _____	Noted By: _____
Street or Route: <u>P.O. Box 280</u>	Telephone Number: <u>( 608 ) 837-8992</u>	Comments: _____		
City: <u>Sun Prairie</u>	State: <u>WI</u>	ZIP Code: <u>53590</u>	Signature of Person Doing Work: <u>[Signature]</u>	Date Signed: <u>10/10/2016</u>

**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**      **2. Facility / Owner Information**

County <b>Milwaukee</b>	WI Unique Well # of Removed Well	Hicap #
Latitude / Longitude (see instructions) <b>42.849654</b> N <b>-87.932371</b> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
¼ / ¼ <b>NW</b> ¼ <b>SW</b> or Gov't Lot #	Section <b>32</b>	Township <b>5</b> N
Well Street Address <b>10800 South 13th Street</b>	Range <b>22</b> E	<input checked="" type="checkbox"/> W
Well City, Village or Town <b>Oak Creek</b>	Well ZIP Code	
Subdivision Name	Lot #	
Reason for Removal from Service <b>Damaged</b>	WI Unique Well # of Replacement Well <b>NA</b>	

Facility Name <b>PPG</b>		
Facility ID (FID or PWS) <b>241014620</b>		
License/Permit/Monitoring #		
Original Well Owner <b>PPG</b>		
Present Well Owner <b>PPG</b>		
Mailing Address of Present Owner <b>One PPG Place</b>		
City of Present Owner <b>Pittsburgh</b>	State <b>PA</b>	ZIP Code <b>15272</b>

**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>12/06/1991</b>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	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.) <b>15.5</b>	Casing Diameter (in.) <b>2</b>
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Lower Drillhole Diameter (in.) <b>8</b>	Casing Depth (ft.) <b>15.5</b>
--	-----------------------------------

Was well annular space grouted?     Yes     No     Unknown

If yes, to what depth (feet)?	Depth to Water (feet) <b>Unknown</b>
-------------------------------	---

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

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

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

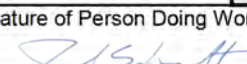
For Monitoring Wells and Monitoring Well Boreholes Only:  
 Bentonite Chips       Bentonite - Cement Grout  
 Granular Bentonite       Bentonite - Sand Slurry

**5. Material Used to Fill Well / Drillhole**

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

**6. Comments**

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

Name of Person or Firm Doing Filling & Sealing <b>On-Site Environmental</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>10/04/2016</b>	Date Received	Noted By
Street or Route <b>P.O. Box 280</b>	Telephone Number <b>( 608 ) 837-8992</b>	Comments		
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	Date Signed <b>10/10/2016</b>

**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**      **2. Facility / Owner Information**

County: Milwaukee      WI Unique Well # of Removed Well: \_\_\_\_\_      Hicap #: \_\_\_\_\_

Facility Name: PPG

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

Facility ID (FID or PWS): 241014620

1/4 / 1/4 NW      1/4 SW      Section: 32      Township: 5 N      Range: 22 E  
or Gov't Lot #: \_\_\_\_\_       W

License/Permit/Monitoring #: \_\_\_\_\_

Well Street Address: 10800 South 13th Street

Original Well Owner: PPG

Well City, Village or Town: Oak Creek      Well ZIP Code: \_\_\_\_\_

Present Well Owner: PPG

Subdivision Name: \_\_\_\_\_      Lot #: \_\_\_\_\_

Mailing Address of Present Owner: One PPG Place

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

City of Present Owner: Pittsburgh      State: PA      ZIP Code: 15272

**3. Filled & Sealed Well / Drillhole / Borehole Information**

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

Monitoring Well      Original Construction Date (mm/dd/yyyy): 10/14/1996  
 Water Well  
 Borehole / Drillhole      If a Well Construction Report is available, please attach.

- 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

Construction Type:  
 Drilled       Driven (Sandpoint)       Dug  
 Other (specify): \_\_\_\_\_

- 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

Formation Type:  
 Unconsolidated Formation       Bedrock

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

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

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

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

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

Was well annular space grouted?  Yes  No  Unknown

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

**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	22.41	1/2 bag	

Bentonite chips

**6. Comments**

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

Name of Person or Firm Doing Filling & Sealing: <u>On-Site Environmental</u>	License #: _____	Date of Filling & Sealing or Verification (mm/dd/yyyy): <u>10/04/2016</u>	Date Received: _____	Noted By: _____
Street or Route: <u>P.O. Box 280</u>	Telephone Number: <u>( 608 ) 837-8992</u>	Comments: _____		
City: <u>Sun Prairie</u>	State: <u>WI</u>	ZIP Code: <u>53590</u>	Signature of Person Doing Work: <u>[Signature]</u>	Date Signed: <u>10/10/2016</u>

**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

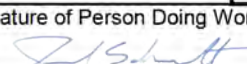
Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <b>Milwaukee</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>PPG</b>	
Latitude / Longitude (see instructions) <b>42.849654</b> N <b>-87.932371</b> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <b>241014620</b>	
1/4 / 1/4 <b>NW</b> / <b>SW</b> or Gov't Lot #		Section <b>32</b>		Township <b>5</b> N		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <b>10800 South 13th Street</b>				Original Well Owner <b>PPG</b>			
Well City, Village or Town <b>Oak Creek</b>				Well ZIP Code			
Subdivision Name				Lot #		Present Well Owner <b>PPG</b>	
Reason for Removal from Service <b>No longer in use</b>				WI Unique Well # of Replacement Well <b>NA</b>			
Mailing Address of Present Owner <b>One PPG Place</b>				City of Present Owner <b>Pittsburgh</b>		State <b>PA</b>	
						ZIP Code <b>15272</b>	

3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>07/01/1981</b>		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Liner(s) perforated?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:				Screen removed?			
<input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Formation Type:				Casing left in place?			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) <b>18.5</b>		Casing Diameter (in.) <b>2</b>		Was casing cut off below surface?			
Lower Drillhole Diameter (in.)		Casing Depth (ft.) <b>18.5</b>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				Did sealing material rise to surface?			
If yes, to what depth (feet)?				Did material settle after 24 hours?			
Depth to Water (feet) <b>Unknown</b>				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
				If yes, was hole retopped?			
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
				If bentonite chips were used, were they hydrated with water from a known safe source?			
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
				Required Method of Placing Sealing Material			
				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
				Sealing Materials			
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used to Fill Well / Drillhole			
From (ft.)		To (ft.)	
<b>Surface</b>		<b>18.5</b>	
No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight	
<b>1/2 bag</b>			

**6. Comments**

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>On-Site Environmental</b>		License #		Date Received	
Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>10/04/2016</b>				Noted By	
Street or Route <b>P.O. Box 280</b>			Telephone Number <b>( 608 ) 837-8992</b>		Comments
City <b>Sun Prairie</b>		State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	
				Date Signed <b>10/10/2016</b>	

**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**      **2. Facility / Owner Information**

County <b>Milwaukee</b>	WI Unique Well # of Removed Well	Hicap #
Latitude / Longitude (see instructions) <b>42.849654</b> N <b>-87.932371</b> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
¼ / ¼ <b>NW</b> ¼ <b>SW</b> or Gov't Lot #	Section <b>32</b>	Township <b>5</b> N
Well Street Address <b>10800 South 13th Street</b>	Range <b>22</b> E <input type="checkbox"/> W	
Well City, Village or Town <b>Oak Creek</b>	Well ZIP Code	
Subdivision Name	Lot #	
Reason for Removal from Service <b>No longer in use</b>	WI Unique Well # of Replacement Well <b>NA</b>	

Facility Name <b>PPG</b>		
Facility ID (FID or PWS) <b>241014620</b>		
License/Permit/Monitoring #		
Original Well Owner <b>PPG</b>		
Present Well Owner <b>PPG</b>		
Mailing Address of Present Owner <b>One PPG Place</b>		
City of Present Owner <b>Pittsburgh</b>	State <b>PA</b>	ZIP Code <b>15272</b>

**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>07/02/1981</b>
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.
<input type="checkbox"/> Borehole / Drillhole	
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth From Ground Surface (ft.) <b>20</b>	Casing Diameter (in.) <b>2</b>
Lower Drillhole Diameter (in.)	Casing Depth (ft.) <b>20</b>
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet) <b>Unknown</b>

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

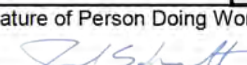
Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
Sealing Materials	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

**5. Material Used to Fill Well / Drillhole**

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

**6. Comments**

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

Name of Person or Firm Doing Filling & Sealing <b>On-Site Environmental</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>10/04/2016</b>	Date Received	Noted By
Street or Route <b>P.O. Box 280</b>	Telephone Number <b>( 608 ) 837-8992</b>	Comments		
City <b>Sun Prairie</b>	State <b>WI</b>	ZIP Code <b>53590</b>	Signature of Person Doing Work 	Date Signed <b>10/10/2016</b>

\*WELL COULD NOT BE LOCATED 10/4/2016

**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.

**Route to DNR Bureau:**

**Verification Only of Fill and Seal**

TW-6

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**

County: Milwaukee      WI Unique Well # of Removed Well: \_\_\_\_\_      Hicap #: \_\_\_\_\_

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

1/4 / 1/4 NW      1/4 SW      Section: 32      Township: 5 N      Range: 22 E       E       W

Well Street Address: 10800 South 13th Street

Well City, Village or Town: Oak Creek      Well ZIP Code: \_\_\_\_\_

Subdivision Name: \_\_\_\_\_      Lot #: \_\_\_\_\_

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

**3. Filled & Sealed Well / Drillhole / Borehole Information**

Monitoring Well      Original Construction Date (mm/dd/yyyy): 08/06/1981  
 Water Well  
 Borehole / Drillhole      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.): 23      Casing Diameter (in.): \_\_\_\_\_

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

**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: Pittsburgh      State: PA      ZIP Code: 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

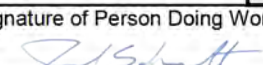
**5. Material Used to Fill Well / Drillhole**

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

**6. Comments**

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

**7. Supervision of Work**

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>On-Site Environmental</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>10/04/2016</u>	Date Received	Noted By
Street or Route <u>P.O. Box 280</u>	Telephone Number <u>( 608 ) 837-8992</u>	Comments		
City <u>Sun Prairie</u>	State <u>WI</u>	ZIP Code <u>53590</u>	Signature of Person Doing Work 	Date Signed <u>10/10/2016</u>

**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.

<input type="checkbox"/> <b>Verification Only of Fill and Seal</b> TW-7	<b>Route to DNR Bureau:</b> <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
--	---

1. Well Location Information	2. Facility / Owner Information
County: <u>Milwaukee</u> WI Unique Well # of Removed Well: _____ Hicap #: _____	Facility Name: <u>PPG</u> Facility ID (FID or PWS): <u>241014620</u> License/Permit/Monitoring #: _____

Latitude / Longitude (see instructions) <u>42.849654</u> N <u>-87.932371</u> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
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1/4 / 1/4 <u>NW</u> 1/4 <u>SW</u> or Gov't Lot #    Section <u>32</u> Township <u>5</u> N    Range <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner: <u>PPG</u> Present Well Owner: <u>PPG</u>
--	---

Well Street Address: <u>10800 South 13th Street</u>	Well ZIP Code: _____
Well City, Village or Town: <u>Oak Creek</u>	Mailing Address of Present Owner: <u>One PPG Place</u>
Subdivision Name: _____	Lot #: _____
City of Present Owner: <u>Pittsburgh</u>	State: <u>PA</u> ZIP Code: <u>15272</u>

Reason for Removal from Service: <u>No longer in use</u>	WI Unique Well # of Replacement Well: <u>NA</u>
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3. Filled & Sealed Well / Drillhole / Borehole Information	4. Pump, Liner, Screen, Casing & Sealing Material
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

Original Construction Date (mm/dd/yyyy): <u>08/06/1981</u> If a Well Construction Report is available, please attach.	Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
--	---

Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
---	---

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Sealing Materials: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips
Total Well Depth From Ground Surface (ft.): <u>16</u> Casing Diameter (in.): <u>2</u>	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
Lower Drillhole Diameter (in.): _____ Casing Depth (ft.): <u>16</u>	Sealing Materials (continued): <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips

Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?    Depth to Water (feet): <u>Unknown</u>	Sealing Materials (continued): <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips
--	--

5. Material Used to Fill Well / Drillhole			
<u>Bentonite chips</u>	From (ft.): <u>Surface</u>	To (ft.): <u>16</u>	No. Yards, Sacks Sealant or Volume (circle one): <u>1/2 bag</u>

6. Comments									
7. Supervision of Work									
Name of Person or Firm Doing Filling & Sealing: <u>On-Site Environmental</u>	License #: _____	Date of Filling & Sealing or Verification (mm/dd/yyyy): <u>10/04/2016</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">DNR Use Only</th> </tr> <tr> <td style="width:50%;">Date Received</td> <td style="width:50%;">Noted By</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	DNR Use Only		Date Received	Noted By		
DNR Use Only									
Date Received	Noted By								
Street or Route: <u>P.O. Box 280</u>	Telephone Number: <u>( 608 ) 837-8992</u>	Comments: _____							
City: <u>Sun Prairie</u>	State: <u>WI</u>	ZIP Code: <u>53590</u>	Signature of Person Doing Work: <u>[Signature]</u> Date Signed: <u>10/10/2016</u>						

## *A-2: Monitoring Well Boring Logs*

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# Drilling Log

Monitoring Well **MW-10R**

Page: 1 of 1

Project PPG - Oak Creek Owner PPG  
 Location Oak Creek, WI Proj. No. 119637  
 Surface Elev. 578.5 ft. Total Hole Depth 15.0 ft. bgs North 315679.17 ft. East 2524387.53 ft.  
 Top of Casing 580.9 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 Rev: 12/1/16 PPG.GPJ SHAW IT.GDT 12/1/16



# Drilling Log

Monitoring Well **MW-11R**

Page: 1 of 1

Project PPG - Oak Creek Owner PPG  
 Location Oak Creek, WI Proj. No. 119637  
 Surface Elev. 574.4 ft. Total Hole Depth 15.0 ft. bgs North 315956.83 ft. East 2524419.74 ft.  
 Top of Casing 576.5 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					ML	Brown silt with very fine sand and clay
8					CL	Brown clay with trace gravel, very dense, some iron staining
12					CL	Gray clay with some cobbles, very dense, moist
16						END OF BORING.
18						
20						

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



# Drilling Log

Monitoring Well **MW-16R**

Page: 1 of 1

Project PPG - Oak Creek Owner PPG  
 Location Oak Creek, WI Proj. No. 119637  
 Surface Elev. 581.9 ft. Total Hole Depth 15.0 ft. bgs North 316094.69 ft. East 2524125.69 ft.  
 Top of Casing 584.2 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
2					CL	Brown clay with trace fine to medium gravel, dense, some iron staining
4						
6						
8						
10						
12						
14						
16						END OF BORING.
18						
20						

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



# Drilling Log

Monitoring Well **MW-9R**

Page: 1 of 1

Project PPG - Oak Creek Owner PPG  
 Location Oak Creek, WI Proj. No. 119637  
 Surface Elev. 580.8 ft. Total Hole Depth 14.9 ft. bgs North 315658.78 ft. East 2523988.47 ft.  
 Top of Casing 583.4 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					CL	
4					CL	Brown clay with trace fine gravel, some iron staining and mottling
6						
8						
10					GW CL	Sand and gravel Brown clay with trace fine gravel and iron staining
12					ML CL	Gray silt, loose 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 12/1/16

### *A-3: Monitoring Well Development Logs*

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

Facility/Project Name PPG	County Name Milwaukee	Well Name TF-4	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 45 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 9.30 ft.	_____ 9.98 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
	m m d d y y y y	m m d d y y y y
Time	c. <u>09</u> : <u>10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>09</u> : <u>55</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) Slightly turbid	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (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

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.



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

Facility/Project Name PPG	County Name Milwaukee	Well Name LP-3	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 6.64 ft.	_____ 7.28 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
Time	c. <u>08</u> : <u>35</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>09</u> : <u>05</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe)	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (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: Jared Schmidt  
Print Name: Jared Schmidt  
Firm: CB&I

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

Facility/Project Name PPG	County Name Milwaukee	Well Name LW-3	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

11. Depth to Water (from top of well casing)

	<u>Before Development</u>	<u>After Development</u>
a.	8.46 ft.	10.22 ft.
Date	b. 10/04/2016	10/04/2016
	m m d d y y y y	m m d d y y y y
Time	c. 07:50 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	08:30 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom \_\_\_\_\_ inches

13. Water clarity

Clear <input type="checkbox"/> 1 0	Clear <input checked="" type="checkbox"/> 2 0
Turbid <input checked="" type="checkbox"/> 1 5	Turbid <input type="checkbox"/> 2 5
(Describe) slightly turbid	(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.

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

Facility/Project Name PPG	County Name Milwaukee	Well Name LW-5	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 30 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 8 . 64 _____ ft.	_____ 9 . 70 _____ ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
	m m d d y y y y	m m d d y y y y
Time	c. _____ 11 : 25 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	_____ 11 : 50 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____ Clear _____	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (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 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: 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.

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

Facility/Project Name PPG	County Name Milwaukee	Well Name MW-9R	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number PH741	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 6.74 ft.	_____ 9.75 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
Time	c. <u>01</u> : <u>00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>01</u> : <u>40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Brown, very turbid</u>	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) <u>Clear</u>
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: Jared Schmidt

Print Name: Jared Schmidt

Firm: CB&I

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

Facility/Project Name PPG	County Name Milwaukee	Well Name MW-10R	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number PH742	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 14.88 ft.	_____ 16.95 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
Time	c. _____ 11:50 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	_____ 12:25 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) _____ Brown, very turbid	Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (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: Jared Schmidt

Print Name: Jared Schmidt

Firm: CB&I

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

Facility/Project Name PPG	County Name Milwaukee	Well Name MW-11R
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number PH743
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 4.65 ft.	_____ 14.10 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
Time	c. <u>11</u> : <u>05</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11</u> : <u>45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) _____ <small>Brown, very turbid</small>	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (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: Jared Schmidt

Print Name: Jared Schmidt

Firm: CB&I

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

Facility/Project Name PPG	County Name Milwaukee	Well Name MW-13	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 45 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 4.95 ft.	_____ 5.88 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
Time	c. <u>12</u> : <u>55</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>13</u> : <u>40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 1 0 Turbid <input type="checkbox"/> 1 5 (Describe) _____ Clear _____	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (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 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: Jared Schmidt  
Print Name: Jared Schmidt  
Firm: CB&I

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

Facility/Project Name PPG	County Name Milwaukee	Well Name MW-14	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 5.03 ft.	_____ 6.42 ft.
Date	b. <u>10</u> / <u>04</u> / <u>2016</u>	<u>10</u> / <u>04</u> / <u>2016</u>
Time	c. _____ 12:00 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	_____ 12:40 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) slightly turbid	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (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

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. Schmidt

Print Name: Jared Schmidt

Firm: CB&I



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

Facility/Project Name PPG	County Name Milwaukee	Well Name MW-16R	
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number PH744	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - Other
3. Time spent developing well \_\_\_\_\_ 40 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 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?  Yes  No  
(If yes, attach results)

- |  | Before Development  | After Development  |
|--|---|--|
| 11. Depth to Water (from top of well casing) | a. _____ 6.82 ft.   | _____ 13.92 ft.  |
| Date   | b. <u>10</u> / <u>04</u> / <u>2016</u>  | <u>10</u> / <u>04</u> / <u>2016</u>  |
|  | m m d d y y y y   | m m d d y y y y  |
| Time   | c. _____ 12:30 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.   | _____ 12:55 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.   |
| 12. Sediment in well bottom                  | _____ inches  | _____ inches   |
| 13. Water clarity                            | Clear <input type="checkbox"/> 1 0<br>Turbid <input checked="" type="checkbox"/> 1 5<br>(Describe) _____<br><small>Brown, very turbid</small> | Clear <input checked="" type="checkbox"/> 2 0<br>Turbid <input type="checkbox"/> 2 5<br>(Describe) _____<br><small>less turbid</small> |
- 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: Jared 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*

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**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<sub>2</sub> 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, PCE & B

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<sub>2</sub> 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: VOL. SVOC, PCRA 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	<del>106.4</del> 100.7	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  
 Well Number: TF-4  
 Casing Dia. (in): 4"  
 Well Type: MW  
 PID Reading: -  
 LEL Reading: -  
 (A) Depth to Water: 9.32

Date: 10/6/16  
 Weather: 60s, light rain  
 Personnel: JMS  
 O<sub>2</sub> Reading: -  
 Methane Reading: -  
 (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 B metals

Time	Water Level (ft to c)	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	1.720	-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:  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**PPG Oak Creek, WI  
WELL SAMPLING FORM**

Project Number: 119637  
 Well Number: LW-3  
 Casing Dia. (in): 2"  
 Well Type: MW  
 PID Reading: -  
 LEL Reading: -  
 (A) Depth to Water: 3.44

Date: 10/5/16  
 Weather: 60s, cloudy  
 Personnel: JMS  
 O<sub>2</sub> 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) = 1.4  
 Purge Start Time: 1505  
 Sample Time: 1545

Equipment: \_\_\_\_\_  
 Equipment: \_\_\_\_\_  
 Equipment: \_\_\_\_\_

Sampling Parameters: VOC, SVOC, RCRA & Metals

Time	Water Level (ft to c)	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:

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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<sub>2</sub> 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 to c)	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		1.0	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: MU  
 PID Reading: —  
 LEL Reading: —  
 (A) Depth to Water: 8.73

Date: 10/5/16  
 Weather: 60%, partly cloudy  
 Personnel: JMS  
 O<sub>2</sub> 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	2.429	-120.2	71.9	21.8	0.23
1430		5	7.03	2.515	-119.9	72.6	21.8	0.21

NOTES:

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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





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<sub>2</sub> 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

Equipment: \_\_\_\_\_  
Equipment: \_\_\_\_\_  
Equipment: \_\_\_\_\_

Sampling Parameters: VOC

Time	Water Level (ft toe)	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  
 Well Number: MW-112  
 Casing Dia. (in): 2"  
 Well Type: MW  
 PID Reading: -  
 LEL Reading: -  
 (A) Depth to Water: 4.75

Date: 10/5/16  
 Weather: 60s, partly cloudy  
 Personnel: JMS  
 O<sub>2</sub> Reading: -  
 Methane Reading: -  
 (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, PCRA & 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 Date: 10/5/16  
 Well Number: MW-13 Weather: SO<sub>2</sub>, partly cloudy  
 Casing Dia. (in): 2" Personnel: JMS  
 Well Type: MW  
 PID Reading: — O<sub>2</sub> Reading: —  
 LEL Reading: — Methane Reading: —  
 (A) Depth to Water: 4.95 (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 Equipment: \_\_\_\_\_  
 Purge Start Time: 0730 Equipment: \_\_\_\_\_  
 Sample Time: 0815 Equipment: \_\_\_\_\_

Sampling Parameters: VOL, SVOC, RCRA 8 Metals

Time	Water Level (ft to c)	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:

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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<sub>2</sub> 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

Equipment: \_\_\_\_\_

Purge Start Time: 1110

Equipment: \_\_\_\_\_

Sample Time: 1155

Equipment: \_\_\_\_\_

Sampling Parameters: VOC, SVOC, PCB & metals

Time	Water Level (ft to c)	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:

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PPG Oak Creek, WI  
WELL SAMPLING FORM

Project Number: 119637 Date: 10/5/16  
Well Number: MW-16R Weather: 60%, cloudy  
Casing Dia. (in): 2" Personnel: \_\_\_\_\_  
Well Type: MW \_\_\_\_\_  
PID Reading: - O<sub>2</sub> 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	7.16	2.175	-75.0	138.1	17.3	0.82
1305	<u>td</u>	6	7.17	2.389	-77.0	132.5	17.3	0.81

NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*A-5: Sample Chain of Custody*

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(Please Print Clearly)



www.pacestats.com

# CHAIN OF CUSTODY

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

**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

Company Name: **CB 4E**  
 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 Schmitt**  
 Sampled By (Sign): *[Signature]*  
 PO #: **2151**  
 Regulatory Program:

**Data Package Options**  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

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

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	ANALYSES REQUESTED
		DATE	TIME		
014	Trip Blank	10/6/16	1240	W	VOC B260
015	Equipment Blank	10/6/16	1230	W	SVOC B270 RCRA 8 Metals

**Filtered?** (YES/NO)  
**Preservation** (CODE)\*

Y/N	Pick Letter	Code
<input checked="" type="checkbox"/>	B	VOC B260
<input checked="" type="checkbox"/>	A	SVOC B270
<input checked="" type="checkbox"/>	D	RCRA 8 Metals

**Quote #:**  
**Mail To Contact:**  
**Mail To Company:**  
**Mail To Address:**  
**Invoice To Contact:**  
**Invoice To Company:**  
**Invoice To Address:**  
**Invoice To Phone:**  
**CLIENT COMMENTS**  
 2-40ml B 1-25ml ppd 1-1lag A  
**LAB COMMENTS (Lab Use Only)**  
**Profile #**

**Relinquished By:** *[Signature]* **Date/Time:** 10/16/16 0900  
**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 1350  
**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 1350  
**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 0931

**Received By:** *[Signature]* **Date/Time:** 10/17/16 1350  
**Received By:** *[Signature]* **Date/Time:** 10-17-16 1350  
**Received By:** *[Signature]* **Date/Time:** 10-17-16 0931  
**FACE Project No.** 40139758  
**Receipt Temp =** POT °C  
**Sample Receipt pH** OK / Adjusted  
**Cooler Custody Seal** Present / Not Present  
**Intact / Not Intact**

**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:

**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 1350  
**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 1350  
**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 1350  
**Relinquished By:** *[Signature]* **Date/Time:** 10/17/16 1350

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: ROT 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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤ 2, NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>369</u>		<u>10-7-16 SKW</u>

Client Notification/ Resolution: Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_ If checked, see attached form for additional comments

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: SKW Date: 10-10-16

*Appendix B*

*Survey Information from CM Lavoie*

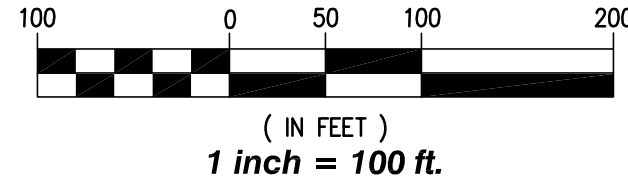
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**SURVEYOR'S NOTES**

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.

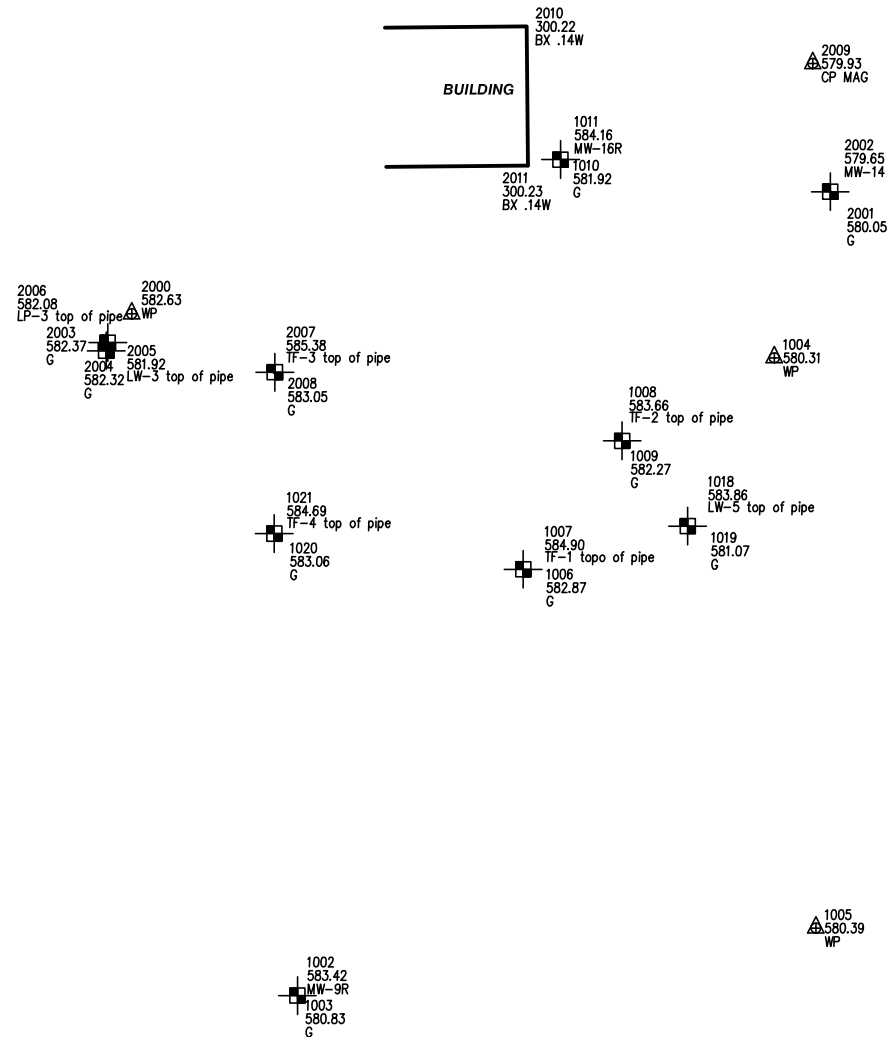
**GRAPHIC SCALE**



# MONITORING WELL EXHIBIT

PPG INDUSTRIES  
OAK CREEK, WISCONSIN

Number	Northing	Easting	Elevation	Desc
1000	315679.14	2524387.72	578.52	G
1001	315679.17	2524387.53	580.91	MW-10R
1002	315658.78	2523988.47	583.41	MW-9R
1003	315658.85	2523988.72	580.82	G
1004	315990.98	2524237.07	580.31	WP
1005	315694.06	2524258.71	580.39	WP
1006	315880.75	2524106.55	582.86	G
1007	315880.83	2524106.30	584.90	TF-1 topo of pipe
1008	315947.76	2524157.80	583.65	TF-2 top of pipe
1009	315947.90	2524157.88	582.26	G
1010	316094.43	2524125.94	581.92	G
1011	316094.69	2524125.69	584.15	MW-16R
1012	316321.41	2524440.95	571.89	MW-12 top of pipe
1013	316321.49	2524440.45	569.33	G
1014	316133.59	2524437.11	570.97	G
1015	316133.93	2524437.55	573.44	MW-13 top of pipe
1016	315957.29	2524419.52	574.42	G
1017	315956.83	2524419.74	576.52	MW-11R
1018	315903.32	2524191.94	583.86	LW-5 top of pipe
1019	315903.58	2524191.93	581.06	G
1020	315899.27	2523976.43	583.06	G
1021	315899.45	2523976.66	584.69	TF-4 top of pipe
2000	316013.93	2523902.45	582.63	WP
2001	316077.49	2524266.15	580.05	G
2002	316077.69	2524266.35	579.65	MW-14
2003	315998.91	2523889.97	582.37	G
2004	315994.52	2523889.24	582.32	G
2005	315994.65	2523889.14	581.92	LW-3 top of pipe
2006	315998.91	2523889.98	582.08	LP-3 top of pipe
2007	315983.47	2523976.98	585.38	TF-3 top of pipe
2008	315982.99	2523976.38	583.05	G
2009	316144.26	2524257.09	579.93	CP MAG
2010	316163.55	2524108.16	300.22	BX .14W
2011	316091.06	2524108.83	300.23	BX .14W



**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

JOB NUMBER: 16-220		DATE: 10/04/2016	
DRAWN BY: KEB		SCALE: 1"=100'	
CHECKED BY: TP			
#	DATE	DESCRIPTION	
1			
2			
3			

*Appendix C*  
*Analytical Reports*

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*C-1: Pace Analytical Services, LLC Analytical Report*

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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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 119637 PPG

Pace Project No.: 40139758

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### 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

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## REPORT OF LABORATORY ANALYSIS

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### 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

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### 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

### REPORT OF LABORATORY ANALYSIS

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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

### REPORT OF LABORATORY ANALYSIS

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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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>16.2J</b>	ug/L	20.0	5.4	1		10/11/16 19:47	7440-38-2	
Barium, Dissolved	<b>115</b>	ug/L	5.0	1.5	1		10/11/16 19:47	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 19:47	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 19:47	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 19:47	7439-92-1	
Selenium, Dissolved	<b>&lt;5.6</b>	ug/L	20.0	5.6	1		10/11/16 19:47	7782-49-2	
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 19:47	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:37	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;0.74</b>	ug/L	2.5	0.74	1	10/10/16 08:35	10/11/16 15:54	85-68-7	
Di-n-butylphthalate	<b>&lt;2.5</b>	ug/L	8.2	2.5	1	10/10/16 08:35	10/11/16 15:54	84-74-2	
Di-n-octylphthalate	<b>&lt;1.8</b>	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 15:54	117-84-0	
Diethylphthalate	<b>&lt;1.0</b>	ug/L	3.5	1.0	1	10/10/16 08:35	10/11/16 15:54	84-66-2	
Dimethylphthalate	<b>&lt;1.9</b>	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 15:54	131-11-3	
bis(2-Ethylhexyl)phthalate	<b>&lt;0.67</b>	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 15:54	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 09:49	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/18/16 09:49	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		10/18/16 09:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		10/18/16 09:49	76-13-1	
1,1-Dichloroethane	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/18/16 09:49	75-34-3	
1,1-Dichloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		10/18/16 09:49	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 09:49	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 09:49	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 09:49	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		10/18/16 09:49	106-93-4	
1,2-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 09:49	95-50-1	
1,2-Dichloroethane	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/18/16 09:49	107-06-2	
1,2-Dichloropropane	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		10/18/16 09:49	78-87-5	
1,3-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 09:49	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 09:49	106-46-7	
2-Butanone (MEK)	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 09:49	78-93-3	
2-Hexanone	<b>&lt;1.1</b>	ug/L	5.0	1.1	1		10/18/16 09:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 09:49	108-10-1	
Acetone	<b>6.0J</b>	ug/L	20.0	3.0	1		10/18/16 09:49	67-64-1	
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 09:49	71-43-2	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		10/18/16 09:49	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 09:49	75-27-4	

## REPORT OF LABORATORY ANALYSIS

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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

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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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>13.0J</b>	ug/L	20.0	5.4	1		10/11/16 19:49	7440-38-2	
Barium, Dissolved	<b>118</b>	ug/L	5.0	1.5	1		10/11/16 19:49	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 19:49	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 19:49	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 19:49	7439-92-1	
Selenium, Dissolved	<b>&lt;5.6</b>	ug/L	20.0	5.6	1		10/11/16 19:49	7782-49-2	
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 19:49	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:39	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;0.75</b>	ug/L	2.5	0.75	1	10/10/16 08:35	10/11/16 16:15	85-68-7	
Di-n-butylphthalate	<b>&lt;2.5</b>	ug/L	8.3	2.5	1	10/10/16 08:35	10/11/16 16:15	84-74-2	
Di-n-octylphthalate	<b>&lt;1.8</b>	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 16:15	117-84-0	
Diethylphthalate	<b>&lt;1.1</b>	ug/L	3.5	1.1	1	10/10/16 08:35	10/11/16 16:15	84-66-2	
Dimethylphthalate	<b>&lt;1.9</b>	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 16:15	131-11-3	
bis(2-Ethylhexyl)phthalate	<b>&lt;0.67</b>	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 16:15	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:12	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/18/16 10:12	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		10/18/16 10:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		10/18/16 10:12	76-13-1	
1,1-Dichloroethane	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/18/16 10:12	75-34-3	
1,1-Dichloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		10/18/16 10:12	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 10:12	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 10:12	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 10:12	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		10/18/16 10:12	106-93-4	
1,2-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:12	95-50-1	
1,2-Dichloroethane	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/18/16 10:12	107-06-2	
1,2-Dichloropropane	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		10/18/16 10:12	78-87-5	
1,3-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:12	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:12	106-46-7	
2-Butanone (MEK)	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 10:12	78-93-3	
2-Hexanone	<b>&lt;1.1</b>	ug/L	5.0	1.1	1		10/18/16 10:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 10:12	108-10-1	
Acetone	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 10:12	67-64-1	
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:12	71-43-2	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		10/18/16 10:12	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:12	75-27-4	

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> 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	
<b>7470 Mercury, Dissolved</b> 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	
<b>8270 MSSV Semivolatile Organic</b> 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	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> 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	

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>6.6J</b>	ug/L	20.0	5.4	1		10/11/16 19:54	7440-38-2	
Barium, Dissolved	<b>129</b>	ug/L	5.0	1.5	1		10/11/16 19:54	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 19:54	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 19:54	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 19:54	7439-92-1	
Selenium, Dissolved	<b>&lt;5.6</b>	ug/L	20.0	5.6	1		10/11/16 19:54	7782-49-2	
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 19:54	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:44	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;0.78</b>	ug/L	2.6	0.78	1	10/10/16 08:35	10/11/16 16:58	85-68-7	
Di-n-butylphthalate	<b>&lt;2.6</b>	ug/L	8.6	2.6	1	10/10/16 08:35	10/11/16 16:58	84-74-2	
Di-n-octylphthalate	<b>&lt;1.9</b>	ug/L	6.4	1.9	1	10/10/16 08:35	10/11/16 16:58	117-84-0	
Diethylphthalate	<b>&lt;1.1</b>	ug/L	3.6	1.1	1	10/10/16 08:35	10/11/16 16:58	84-66-2	
Dimethylphthalate	<b>&lt;1.9</b>	ug/L	6.5	1.9	1	10/10/16 08:35	10/11/16 16:58	131-11-3	
bis(2-Ethylhexyl)phthalate	<b>&lt;0.70</b>	ug/L	2.3	0.70	1	10/10/16 08:35	10/11/16 16:58	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/14/16 21:14	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/14/16 21:14	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		10/14/16 21:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		10/14/16 21:14	76-13-1	
1,1-Dichloroethane	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/14/16 21:14	75-34-3	
1,1-Dichloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		10/14/16 21:14	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/14/16 21:14	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/14/16 21:14	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/14/16 21:14	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		10/14/16 21:14	106-93-4	
1,2-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/14/16 21:14	95-50-1	
1,2-Dichloroethane	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/14/16 21:14	107-06-2	
1,2-Dichloropropane	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		10/14/16 21:14	78-87-5	
1,3-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/14/16 21:14	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/14/16 21:14	106-46-7	
2-Butanone (MEK)	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/14/16 21:14	78-93-3	
2-Hexanone	<b>&lt;1.1</b>	ug/L	5.0	1.1	1		10/14/16 21:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/14/16 21:14	108-10-1	
Acetone	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/14/16 21:14	67-64-1	
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/14/16 21:14	71-43-2	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		10/14/16 21:14	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/14/16 21:14	75-27-4	

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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
<b>8260 MSV Oxygenates</b> 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	
<b>Surrogates</b>									
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	

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### 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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>10.7J</b>	ug/L	20.0	5.4	1		10/11/16 19:40	7440-38-2	
Barium, Dissolved	<b>97.8</b>	ug/L	5.0	1.5	1		10/11/16 19:40	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 19:40	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 19:40	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 19:40	7439-92-1	
Selenium, Dissolved	<b>5.7J</b>	ug/L	20.0	5.6	1		10/11/16 19:40	7782-49-2	B
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 19:40	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:30	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;6.0</b>	ug/L	19.8	6.0	8	10/10/16 08:35	10/11/16 12:01	85-68-7	
Di-n-butylphthalate	<b>&lt;19.7</b>	ug/L	65.7	19.7	8	10/10/16 08:35	10/11/16 12:01	84-74-2	
Di-n-octylphthalate	<b>&lt;14.6</b>	ug/L	48.5	14.6	8	10/10/16 08:35	10/11/16 12:01	117-84-0	
Diethylphthalate	<b>&lt;8.3</b>	ug/L	27.8	8.3	8	10/10/16 08:35	10/11/16 12:01	84-66-2	
Dimethylphthalate	<b>&lt;14.8</b>	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	<b>&lt;5.3</b>	ug/L	17.8	5.3	8	10/10/16 08:35	10/11/16 12:01	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;1.2</b>	ug/L	2.5	1.2	2.5		10/14/16 18:41	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.62</b>	ug/L	2.5	0.62	2.5		10/14/16 18:41	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.49</b>	ug/L	2.5	0.49	2.5		10/14/16 18:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;2.0</b>	ug/L	12.5	2.0	2.5		10/14/16 18:41	76-13-1	
1,1-Dichloroethane	<b>&lt;0.60</b>	ug/L	2.5	0.60	2.5		10/14/16 18:41	75-34-3	
1,1-Dichloroethene	<b>&lt;1.0</b>	ug/L	2.5	1.0	2.5		10/14/16 18:41	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;5.3</b>	ug/L	12.5	5.3	2.5		10/14/16 18:41	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;5.5</b>	ug/L	12.5	5.5	2.5		10/14/16 18:41	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;5.4</b>	ug/L	12.5	5.4	2.5		10/14/16 18:41	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.44</b>	ug/L	2.5	0.44	2.5		10/14/16 18:41	106-93-4	
1,2-Dichlorobenzene	<b>&lt;1.2</b>	ug/L	2.5	1.2	2.5		10/14/16 18:41	95-50-1	
1,2-Dichloroethane	<b>&lt;0.42</b>	ug/L	2.5	0.42	2.5		10/14/16 18:41	107-06-2	
1,2-Dichloropropane	<b>&lt;0.58</b>	ug/L	2.5	0.58	2.5		10/14/16 18:41	78-87-5	
1,3-Dichlorobenzene	<b>&lt;1.2</b>	ug/L	2.5	1.2	2.5		10/14/16 18:41	541-73-1	
1,4-Dichlorobenzene	<b>&lt;1.2</b>	ug/L	2.5	1.2	2.5		10/14/16 18:41	106-46-7	
2-Butanone (MEK)	<b>&lt;7.4</b>	ug/L	50.0	7.4	2.5		10/14/16 18:41	78-93-3	
2-Hexanone	<b>&lt;2.8</b>	ug/L	12.5	2.8	2.5		10/14/16 18:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;5.4</b>	ug/L	12.5	5.4	2.5		10/14/16 18:41	108-10-1	
Acetone	<b>&lt;7.4</b>	ug/L	50.0	7.4	2.5		10/14/16 18:41	67-64-1	
Benzene	<b>&lt;1.2</b>	ug/L	2.5	1.2	2.5		10/14/16 18:41	71-43-2	
Bromochloromethane	<b>&lt;0.85</b>	ug/L	2.5	0.85	2.5		10/14/16 18:41	74-97-5	
Bromodichloromethane	<b>&lt;1.2</b>	ug/L	2.5	1.2	2.5		10/14/16 18:41	75-27-4	

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## 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
<b>8260 MSV Oxygenates</b> 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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>6.5J</b>	ug/L	20.0	5.4	1		10/11/16 19:56	7440-38-2	
Barium, Dissolved	<b>265</b>	ug/L	5.0	1.5	1		10/11/16 19:56	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 19:56	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 19:56	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 19:56	7439-92-1	
Selenium, Dissolved	<b>&lt;5.6</b>	ug/L	20.0	5.6	1		10/11/16 19:56	7782-49-2	
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 19:56	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 10:46	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;0.74</b>	ug/L	2.5	0.74	1	10/10/16 08:35	10/11/16 17:19	85-68-7	
Di-n-butylphthalate	<b>&lt;2.5</b>	ug/L	8.2	2.5	1	10/10/16 08:35	10/11/16 17:19	84-74-2	
Di-n-octylphthalate	<b>&lt;1.8</b>	ug/L	6.1	1.8	1	10/10/16 08:35	10/11/16 17:19	117-84-0	
Diethylphthalate	<b>&lt;1.0</b>	ug/L	3.5	1.0	1	10/10/16 08:35	10/11/16 17:19	84-66-2	
Dimethylphthalate	<b>&lt;1.9</b>	ug/L	6.2	1.9	1	10/10/16 08:35	10/11/16 17:19	131-11-3	
bis(2-Ethylhexyl)phthalate	<b>&lt;0.67</b>	ug/L	2.2	0.67	1	10/10/16 08:35	10/11/16 17:19	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:57	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/18/16 10:57	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		10/18/16 10:57	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		10/18/16 10:57	76-13-1	
1,1-Dichloroethane	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/18/16 10:57	75-34-3	
1,1-Dichloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		10/18/16 10:57	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 10:57	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 10:57	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 10:57	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		10/18/16 10:57	106-93-4	
1,2-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:57	95-50-1	
1,2-Dichloroethane	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/18/16 10:57	107-06-2	
1,2-Dichloropropane	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		10/18/16 10:57	78-87-5	
1,3-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:57	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:57	106-46-7	
2-Butanone (MEK)	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 10:57	78-93-3	
2-Hexanone	<b>&lt;1.1</b>	ug/L	5.0	1.1	1		10/18/16 10:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 10:57	108-10-1	
Acetone	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 10:57	67-64-1	
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:57	71-43-2	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		10/18/16 10:57	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 10:57	75-27-4	

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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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
<b>8260 MSV Oxygenates</b>		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	
1,1,1,2-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	

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> 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	
<b>7470 Mercury, Dissolved</b> 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	
<b>8270 MSSV Semivolatile Organic</b> 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	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> 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	

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> 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	
<b>7470 Mercury, Dissolved</b> 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	
<b>8270 MSSV Semivolatile Organic</b> 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	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> 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	

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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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> 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	
<b>7470 Mercury, Dissolved</b> 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	
<b>8270 MSSV Semivolatile Organic</b> 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	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> 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	

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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
<b>8260 MSV Oxygenates</b> 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	
<b>Surrogates</b>									
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	

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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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>12.0J</b>	ug/L	20.0	5.4	1		10/11/16 20:11	7440-38-2	
Barium, Dissolved	<b>240</b>	ug/L	5.0	1.5	1		10/11/16 20:11	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 20:11	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 20:11	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 20:11	7439-92-1	
Selenium, Dissolved	<b>7.5J</b>	ug/L	20.0	5.6	1		10/11/16 20:11	7782-49-2	B
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 20:11	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 11:00	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;0.76</b>	ug/L	2.5	0.76	1	10/10/16 08:35	10/13/16 15:24	85-68-7	
Di-n-butylphthalate	<b>&lt;2.5</b>	ug/L	8.4	2.5	1	10/10/16 08:35	10/13/16 15:24	84-74-2	
Di-n-octylphthalate	<b>&lt;1.9</b>	ug/L	6.2	1.9	1	10/10/16 08:35	10/13/16 15:24	117-84-0	
Diethylphthalate	<b>&lt;1.1</b>	ug/L	3.5	1.1	1	10/10/16 08:35	10/13/16 15:24	84-66-2	
Dimethylphthalate	<b>&lt;1.9</b>	ug/L	6.3	1.9	1	10/10/16 08:35	10/13/16 15:24	131-11-3	
bis(2-Ethylhexyl)phthalate	<b>&lt;0.68</b>	ug/L	2.3	0.68	1	10/10/16 08:35	10/13/16 15:24	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 11:19	71-55-6	
1,1,1,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/18/16 11:19	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		10/18/16 11:19	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		10/18/16 11:19	76-13-1	
1,1-Dichloroethane	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/18/16 11:19	75-34-3	
1,1-Dichloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		10/18/16 11:19	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 11:19	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 11:19	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 11:19	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		10/18/16 11:19	106-93-4	
1,2-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 11:19	95-50-1	
1,2-Dichloroethane	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/18/16 11:19	107-06-2	
1,2-Dichloropropane	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		10/18/16 11:19	78-87-5	
1,3-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 11:19	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 11:19	106-46-7	
2-Butanone (MEK)	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 11:19	78-93-3	
2-Hexanone	<b>&lt;1.1</b>	ug/L	5.0	1.1	1		10/18/16 11:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 11:19	108-10-1	
Acetone	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 11:19	67-64-1	
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 11:19	71-43-2	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		10/18/16 11:19	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 11:19	75-27-4	

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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
<b>8260 MSV Oxygenates</b> 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	
<b>Surrogates</b>									
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	

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## 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
<b>6010 MET ICP, Dissolved</b> 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	
<b>7470 Mercury, Dissolved</b> 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	
<b>8270 MSSV Semivolatile Organic</b> 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	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> 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	

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## 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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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### 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
<b>6010 MET ICP, Dissolved</b> Analytical Method: EPA 6010									
Arsenic, Dissolved	<b>10.6J</b>	ug/L	20.0	5.4	1		10/11/16 20:15	7440-38-2	
Barium, Dissolved	<b>117</b>	ug/L	5.0	1.5	1		10/11/16 20:15	7440-39-3	
Cadmium, Dissolved	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/11/16 20:15	7440-43-9	
Chromium, Dissolved	<b>&lt;2.5</b>	ug/L	10.0	2.5	1		10/11/16 20:15	7440-47-3	
Lead, Dissolved	<b>&lt;4.3</b>	ug/L	13.0	4.3	1		10/11/16 20:15	7439-92-1	
Selenium, Dissolved	<b>7.7J</b>	ug/L	20.0	5.6	1		10/11/16 20:15	7782-49-2	B
Silver, Dissolved	<b>&lt;3.2</b>	ug/L	10.0	3.2	1		10/11/16 20:15	7440-22-4	
<b>7470 Mercury, Dissolved</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury, Dissolved	<b>&lt;0.13</b>	ug/L	0.42	0.13	1	10/20/16 12:50	10/21/16 11:05	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Butylbenzylphthalate	<b>&lt;0.74</b>	ug/L	2.5	0.74	1	10/10/16 08:35	10/17/16 17:35	85-68-7	
Di-n-butylphthalate	<b>&lt;2.5</b>	ug/L	8.2	2.5	1	10/10/16 08:35	10/17/16 17:35	84-74-2	
Di-n-octylphthalate	<b>&lt;1.8</b>	ug/L	6.1	1.8	1	10/10/16 08:35	10/17/16 17:35	117-84-0	
Diethylphthalate	<b>&lt;1.0</b>	ug/L	3.5	1.0	1	10/10/16 08:35	10/17/16 17:35	84-66-2	
Dimethylphthalate	<b>&lt;1.9</b>	ug/L	6.2	1.9	1	10/10/16 08:35	10/17/16 17:35	131-11-3	
bis(2-Ethylhexyl)phthalate	<b>&lt;0.67</b>	ug/L	2.2	0.67	1	10/10/16 08:35	10/17/16 17:35	117-81-7	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 12:04	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/18/16 12:04	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.20</b>	ug/L	1.0	0.20	1		10/18/16 12:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		10/18/16 12:04	76-13-1	
1,1-Dichloroethane	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/18/16 12:04	75-34-3	
1,1-Dichloroethene	<b>&lt;0.41</b>	ug/L	1.0	0.41	1		10/18/16 12:04	75-35-4	
1,2,3-Trichlorobenzene	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 12:04	87-61-6	
1,2,4-Trichlorobenzene	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 12:04	120-82-1	
1,2-Dibromo-3-chloropropane	<b>&lt;2.2</b>	ug/L	5.0	2.2	1		10/18/16 12:04	96-12-8	
1,2-Dibromoethane (EDB)	<b>&lt;0.18</b>	ug/L	1.0	0.18	1		10/18/16 12:04	106-93-4	
1,2-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 12:04	95-50-1	
1,2-Dichloroethane	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/18/16 12:04	107-06-2	
1,2-Dichloropropane	<b>&lt;0.23</b>	ug/L	1.0	0.23	1		10/18/16 12:04	78-87-5	
1,3-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 12:04	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 12:04	106-46-7	
2-Butanone (MEK)	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 12:04	78-93-3	
2-Hexanone	<b>&lt;1.1</b>	ug/L	5.0	1.1	1		10/18/16 12:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;2.1</b>	ug/L	5.0	2.1	1		10/18/16 12:04	108-10-1	
Acetone	<b>&lt;3.0</b>	ug/L	20.0	3.0	1		10/18/16 12:04	67-64-1	
Benzene	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 12:04	71-43-2	
Bromochloromethane	<b>&lt;0.34</b>	ug/L	1.0	0.34	1		10/18/16 12:04	74-97-5	
Bromodichloromethane	<b>&lt;0.50</b>	ug/L	1.0	0.50	1		10/18/16 12:04	75-27-4	

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## 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
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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### 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
<b>8260 MSV Oxygenates</b>		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	
1,1,1,2-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	

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## ANALYTICAL RESULTS

Project: 119637 PPG

Pace Project No.: 40139758

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

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Oxygenates</b>		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	
<b>Surrogates</b>									
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	

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## 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
<b>6010 MET ICP, Dissolved</b> 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	
<b>7470 Mercury, Dissolved</b> 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	
<b>8270 MSSV Semivolatile Organic</b> 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	
<b>Surrogates</b>									
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	
<b>8260 MSV Oxygenates</b> 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

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### 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
<b>8260 MSV Oxygenates</b> 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	
<b>Surrogates</b>									
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

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### 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	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139758005 Result	Spike Conc.	Spike Conc.	MS Result						
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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**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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### 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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### 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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### 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	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139758005 Result	Spike Conc.	Spike Conc.	Result								
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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### QUALITY CONTROL DATA

Project: 119637 PPG  
Pace Project No.: 40139758

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1409725		1409726		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40139758005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
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

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### 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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### 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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### 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	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40139587001 Result	Spike Conc.	Spike Conc.	Result							
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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### QUALITY CONTROL DATA

Project: 119637 PPG  
Pace Project No.: 40139758

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412049		1412050		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40139587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
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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### 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	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139758005 Result	Spike Conc.	Spike Conc.	MS Result						
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

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

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 119637 PPG

Pace Project No.: 40139758

Parameter	Units	40139758005		1408198		1408199		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
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					

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

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## QUALIFIERS

Project: 119637 PPG  
Pace Project No.: 40139758

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### 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.

## REPORT OF LABORATORY ANALYSIS

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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		

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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
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		

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*C-2: Pace Analytical Services, LLC Electronic Data File*

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EDD\_\_Level\_HA

Field ID	Prep Method	Analysis Method	Parameter	flag	Result	LOD	LOQ	EQL	Dilution	Units	Code	Collection Date	Collection Time	Analysis Date	Matrix	Project Name	Project Number	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, C <		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	Bromochloro <		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	Bromodichlo <		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 tetr <		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	Chlorobenz <		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	Chlorometh <		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-Dibrom <		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	Dibromochl <		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-Dibrom <		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-Dichlor <		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-Dichlor <		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-Dichlor <		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	Dichlorodifl <		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-Dichlor <		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-Dichlor <		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-Dichlor <		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-Dichlor <		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	Ethylbenzer <		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 (Cum <		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 acet <		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	Methylcyclo <		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- <		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- <		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-Tetr <		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	Tetrachloro <		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-Trichl <		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-Trichl <		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-Trichl <		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-Trichl <		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	Trichloroflu <		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-Trichl <		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 ( <		83					1 %		10/06/16	09:20:00 AM	10/18/16	Water	119637 PPG		460-00-4
TF-1	EPA 8260																	

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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	Dimethylphth <	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, C <	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	Bromochloro <	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	Bromodichlo <	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	Chlorobenz <	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	Dibromochlo <	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	Dichlorodifu <	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-Dichl <	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-Dichl <	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	Ethylbenzer <	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 acet <	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	Methylcyclo <	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-f <	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 <	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-Tetr <	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	Tetrachloro <	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-Trichl <	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-Trichl <	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-Trichl <	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-Trichl <	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	Trichloroflu <	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

EDD\_\_\_Level\_HA

TF-2	EPA 8260	EPA 8260	1,1,2-Trichloroethane <	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	Butylbenzyl alcohol <	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	Diethylphthalate <	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	Dimethylphthalate <	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-butylphthalate <	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-octylphthalate <	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-Ethylhexyl)phthalate <	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, C <	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, Dissolved	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, Dissolved	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, Dissolved	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	Bromochloroethane <	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	Bromodichloroethane <	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	Bromomethane <	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 disulfide <	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 tetrachloride <	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	Chlorobenzene <	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	Chloroethane <	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	Chloromethane <	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	Cyclohexane <	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-Dibromochloroethane <	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	Dibromochloroethane <	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-Dibromochloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Dichlorodifluoromethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Ethylbenzene <	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 (Cumene) <	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 acetate <	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	Methylcyclohexane <	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 chloride <	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-pentanone <	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-butyl ether <	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-Tetrachloroethane <	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	Tetrachloroethene <	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

EDD\_\_\_Level\_HA

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	Butylbenzylt <	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	Diethylphthz <	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	Dimethylph <	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, C <	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	Bromomethz <	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 tetrz <	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	Chlorobenzz <	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	Chloromethz <	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-Dichl <	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-Dic <	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-Dichl <	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-Dic <	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 acetz <	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	Methylcyclo <	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

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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- $\mu$ <	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- $\mu$ <	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	Tetrachloro $\epsilon$ <	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-Trichlc <	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-Trichlc <	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-Trichlc <	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-Trichlc <	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	Trichlorofluc <	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-Trichlc <	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	Butylbenzyl $\mu$ <	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	Dimethylphth <	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, C <	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	Bromochloro <	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	Bromodichlc <	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	Chlorobenz $\epsilon$ <	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-Dibromc <	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	Dibromochlc <	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-Dibromc <	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-Dichl <	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

EDD\_\_Level\_HA

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	Isopropylber	<	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 acet	<	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	Methylcyclo	<	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- $\alpha$	<	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-t	<	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-Tetr	<	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	Tetrachloro	<	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-Trichl	<	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-Trichl	<	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-Trichl	<	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-Trichl	<	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	Trichloroflu	<	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-Trichl	<	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	Butylbenzyl	<	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	Diethylphth	<	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	Dimethylph	<	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, C	<	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, Diss	<	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	Bromochloro	<	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	Bromodichl	<	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	Bromometh	<	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 tetr	<	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	Chlorobenz	<	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	Chlorometh	<	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-Dibrom	<	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	Dibromochl	<	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-Dibrom	<	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

EDD\_\_\_Level\_HA

MW-9R	EPA 8260	EPA 8260	Dichlorodifluoromethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethene <	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-Dichloroethene <	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-Dichloroethene <	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-Dichloroethane <	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-Dichlorobenzene <	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-Dichlorobenzene <	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	Ethylbenzene <	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	Isopropylbenzene <	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 acetate <	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	Methylcyclohexane <	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 Chloride <	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-pentanone <	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-butyl ether <	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-Tetrachloroethane <	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	Tetrachloroethene <	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-Trichlorobenzene <	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-Trichlorobenzene <	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-Trichloroethane <	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-Trichloroethane <	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	Trichloroethylene <	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	Trichlorofluoromethane <	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-Trichloroethane <	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 chloride <	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	Butylbenzyl alcohol <	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	Diethylphthalate <	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	Dimethylphthalate <	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-butylphthalate <	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-octylphthalate <	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-Ethylhexyl)phthalate <	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	Bromochloromethane <	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	Bromodichloromethane <	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	Bromomethane <	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 disulfide <	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 tetrachloride <	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	Chlorobenzene <	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	Chloroethane <	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	Chloromethane <	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	Cyclohexane <	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-Dibromochloroethane <	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	Dibromochloroethane <	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-Dibromochloroethane <	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-Dichloroethane <	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-Dichlorobenzene <	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-Dichlorobenzene <	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	Dichlorodifluoromethane <	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

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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-Dichl <	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-Dic <	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-Dichl <	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-Dic <	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	Isopropylber <	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 acetat <	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	Methylcyclo <	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	Tetrachloroε <	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-Trichlc <	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-Trichlc <	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-Trichlc <	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-Trichlc <	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	Trichloroflu <	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-Trichlc <	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, C <	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	Bromochloro <	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	Bromodichlc <	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	Chlorobenzε <	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	Dibromochlc <	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



EDD\_\_\_Level\_HA

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-Dichl <	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-Dic <	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-Dichl <	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-Dic <	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	Isopropylber <	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 acet <	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	Methylcyclo <	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-f <	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-t <	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-Tetr <	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	Tetrachloro <	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-Trichl <	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-Trichl <	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-Trichl <	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-Trichl <	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	Trichloroflu <	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-Trichl <	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	Butylbenzyl <	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, C <	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	Bromochloro <	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 tetr <	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	Chlorobenz <	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	Chlorometh <	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-Dibrom <	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

EDD\_\_\_Level\_HA

MW-13	EPA 8260	EPA 8260	1,2-Dibromocyclohexane <	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-Dichloroethane <	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-Dichlorobenzene <	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-Dichlorobenzene <	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	Dichlorodifluoromethane <	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-Dichloroethene <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichlorobenzene <	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-Dichlorobenzene <	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	Ethylbenzene <	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	Isopropylbenzene <	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 acetate <	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	Methylcyclohexane <	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 Chloride <	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-pentanone <	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-butyl ether <	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-Tetrachloroethane <	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	Tetrachloroethene <	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-Trichlorobenzene <	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-Trichlorobenzene <	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-Trichloroethane <	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-Trichloroethane <	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	Trichloroethene <	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	Trichlorofluoromethane <	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-Trichloroethane <	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 chloride <	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	Butylbenzyl alcohol <	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	Diethylphthalate <	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	Dimethylphthalate <	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-butylphthalate <	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-octylphthalate <	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-Ethylhexyl)phthalate <	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, C <	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, Dissolved	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, Dissolved	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, Dissolved	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	Bromochloroethane <	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	Bromodichloroethane <	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	Bromomethane <	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 disulfide <	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 tetrachloride <	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

EDD\_\_\_Level\_HA

MW-14	EPA 8260	EPA 8260	Chlorobenzene <	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	Chloroethane <	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	Chloromethane <	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	Cyclohexane <	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-Dibromochloroethane <	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	Dibromochloroethane <	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-Dibromochloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Dichlorodifluoromethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Ethylbenzene <	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	Isopropylbenzene <	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 acetate <	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	Methylcyclohexane <	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 Chloride <	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-pentanone <	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-butyl ether <	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-Tetrachloroethane <	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	Tetrachloroethane <	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-Trichloroethane <	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-Trichloroethane <	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-Trichloroethane <	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-Trichloroethane <	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	Trichloroethylene <	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	Trichlorofluoromethane <	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-Trichloroethane <	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 chloride <	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	Butylbenzyl alcohol <	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	Diethylphthalate <	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	Dimethylphthalate <	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-butylphthalate <	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-octylphthalate <	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-Ethylhexyl)phthalate <	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, C <	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, Dissolved <	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, Dissolved <	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, Dissolved <	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

EDD\_\_\_Level\_HA

MW-16R	EPA 8260	EPA 8260	Bromochloro <	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	Bromodichloro <	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	Bromomethane <	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 disulfide <	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 tetrachloride <	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	Chlorobenzene <	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	Chloroethane <	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	Chloromethane <	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	Cyclohexane <	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-Dibromochloroethane <	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	Dibromochloroethane <	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-Dibromochloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Dichlorodifluoromethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Ethylbenzene <	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	Isopropylbenzene <	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 acetate <	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	Methylcyclohexane <	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 chloride <	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-pentanone <	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-butyl ether <	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-Tetrachloroethane <	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	Tetrachloroethene <	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-Trichloroethane <	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-Trichloroethane <	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-Trichloroethane <	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-Trichloroethane <	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	Trichloroethane <	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	Trichlorofluoromethane <	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-Trichloroethane <	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 chloride <	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	Butylbenzyl alcohol <	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	Diethylphthalate <	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	Dimethylphthalate <	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-butylphthalate <	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-octylphthalate <	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-Ethylhexyl) phthalate <	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, C <	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

EDD\_\_\_Level\_HA

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	Bromochloro <	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	Bromodichloro <	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	Bromomethane <	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 disulfide <	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 tetrachloride <	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	Chlorobenzene <	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	Chloromethane <	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	Cyclohexane <	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-Dibromochloroethane <	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	Dibromochloroethane <	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-Dibromochloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Dichlorodifluoromethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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-Dichloroethane <	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	Ethylbenzene <	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 (Cumene) <	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 acetate <	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	Methylcyclohexane <	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 Chloride <	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-pentanone <	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-butyl ether <	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-Tetrachloroethane <	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	Tetrachloroethene <	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-Trichloroethane <	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-Trichloroethane <	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-Trichloroethane <	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-Trichloroethane <	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	Trichloroethylene <	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	Trichlorofluoromethane <	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-Trichloroethane <	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 chloride <	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 (CAS 86)	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 (CAS 102)	102				1 %		10/06/16	09:30:00 AM	10/18/16	Water	119637 PPG	1868-53-7
TF-10	EPA 3510	EPA 8270	Butylbenzyl alcohol <	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	Diethylphthalate <	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	Dimethylphthalate <	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-butylphthalate <	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-octylphthalate <	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

EDD\_\_\_Level\_HA

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, C <	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	Bromochloro <	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	Bromometh: <	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	Chlorobenz: <	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	Chlorometh: <	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-Dichl <	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-Dic <	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-Dichl <	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-Dic <	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 acet: <	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	Methylcyclo <	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-f <	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-t <	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	Tetrachloro: <	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	Trichloroflu <	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	119601-23-1
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

EDD\_Level\_HA

TF-20	EPA 8260	EPA 8260	4-Bromofluorobenzene (†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 (†99						1 %		10/06/16	11:00:00 AM 10/18/16	Water	119637 PPG	1868-53-7
TF-20	EPA 3510	EPA 8270	Butylbenzyl <	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	Diethylphth <	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	Dimethylph <	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	Bromochloro <	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	Bromodichlo <	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	Bromometh <	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 tetr <	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	Chlorobenz <	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	Chlorometh <	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	Dibromochl <	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	Dichlorodifl <	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-Dichl <	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-Dichl <	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	Isopropylber <	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 acet <	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	Methylcyclo <	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- <	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- <	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-Tetr <	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	Tetrachloro <	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-Trichl <	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-Trichl <	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-Trichl <	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-Trichl <	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	Trichloroflu <	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-Trichl <	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 (†81						1 %		10/06/16	12:40:00 PM 10/18/16	Water	119637 PPG	460-00-4

EDD\_\_Level\_HA

TRIP BLANI EPA 8260	EPA 8260	Dibromofluoromethane (Σ101					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, Dissc <	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, C <	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	Bromomethc <	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 tetr <	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	Chlorobenzc <	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	Chloromethc <	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	Dichlorodifl <	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-Dichl <	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-Dichl <	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	Ethylbenzer <	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	Isopropylber <	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 acetc <	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	Methylcyclo <	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- <	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- <	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-Tetr <	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	Tetrachloro <	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 (Σ86					1 %			10/06/16	12:30:00 PM 10/18/16	Water	119637 PPG	460-00-4
EQUIPMEN EPA 8260	EPA 8260	Dibromofluoromethane (Σ106					1 %			10/06/16	12:30:00 PM 10/18/16	Water	119637 PPG	1868-53-7
EQUIPMEN EPA 3510	EPA 8270	Butylbenzylc <	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



EDD\_\_\_Level\_HA

EQUIPMEN EPA 3510	EPA 8270	Diethylphthæ <	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*

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*D-1: Data Validation – VOCs*

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CB&I Federal Services LLC  
Penn Center East Building Five  
500 Penn Center Boulevard  
Pittsburgh, PA 15235  
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 - 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:

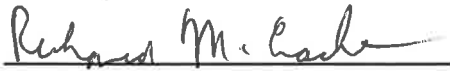
Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
TF-1	40139758001	MW-13	40139758009
TF-2	40139758002	MW-14	40139758010
TF-4	40139758003	MW-16R	40139758011
LW-3	40139758004	TF-10	40139758012
LW-5	40139758005	TF-20	40139758013
MW-9R	40139758006	Trip Blank	40139758014
MW-10R	40139758007	Equipment 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

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  $\geq 0.05$  for all other compounds, while the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF must be  $\leq 20\%$  for all target compounds. Initial calibration verification (ICV) recoveries should be within  $80\% \leq R \leq 120\%$ .

- 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  $\leq 10$  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. $\mu\text{g/L}$	Action Level $\mu\text{g/L}$	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 ( $\pm 30$  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.

### Laboratory and Data Verification Qualifiers

Qualifier	Definition
<b>USEPA Validation Qualifiers<sup>1</sup></b>	
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.

<sup>1</sup>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)*.

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-1

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/18/2016 09:49  
Date Analyzed: 10/18/2016 09:49  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758001  
Lab File ID: 10182016.B\10181611.D  
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

10/24/2016 3:03

MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-1

Lab Name: Pace Analytical - Green Bay  
 Date Received: 10/07/2016 12:50  
 Date Extracted: 10/18/2016 09:49  
 Date Analyzed: 10/18/2016 09:49  
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
 Matrix: Water SDG No.: 40139758  
 Lab Sample ID: 40139758001  
 Lab File ID: 10182016.B\10181611.D  
 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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-2

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/18/2016 10:12  
Date Analyzed: 10/18/2016 10:12  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758002  
Lab File ID: 10182016.B\10181612.D  
Instrument: 40MSV5 Percent Moisture:         

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	<3.0	U UT
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 UT
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UT
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 UT
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

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-2

Lab Name: Pace Analytical - Green Bay  
 Date Received: 10/07/2016 12:50  
 Date Extracted: 10/18/2016 10:12  
 Date Analyzed: 10/18/2016 10:12  
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
 Matrix: Water SDG No.: 40139758  
 Lab Sample ID: 40139758002  
 Lab File ID: 10182016.B\10181612.D  
 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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-4

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/18/2016 10:34  
Date Analyzed: 10/18/2016 10:34  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758003  
Lab File ID: 10182016.B\10181613.D  
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

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-4

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/18/2016 10:34  
Date Analyzed: 10/18/2016 10:34  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758003  
Lab File ID: 10182016.B\10181613.D  
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



MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LW-3

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/14/2016 21:14  
Date Analyzed: 10/14/2016 21:14  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758004  
Lab File ID: 10142016.B\10141657.D  
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

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
LW-3

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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LW-5

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/14/2016 18:41  
Date Analyzed: 10/14/2016 18:41  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 2.5

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758005  
Lab File ID: 10142016.B\10141650.D  
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 UT
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 UT
67-66-3	Chloroform	<6.2	U
74-87-3	Chloromethane	<1.2	U UT
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 UT
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 UT
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 UT

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. LW-5
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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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-9R

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/18/2016 10:57  
Date Analyzed: 10/18/2016 10:57  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758006  
Lab File ID: 10182016.B\10181614.D  
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

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-9R

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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-10R

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/14/2016 21:36  
Date Analyzed: 10/14/2016 21:36  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758007  
Lab File ID: 10142016.B\10141658.D  
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 UT
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 UT
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UT
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 UT
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 UT
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 UT

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-10R

Lab Name: Pace Analytical - Green Bay  
 Date Received: 10/07/2016 12:50  
 Date Extracted: 10/14/2016 21:36  
 Date Analyzed: 10/14/2016 21:36  
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
 Matrix: Water SDG No.: 40139758  
 Lab Sample ID: 40139758007  
 Lab File ID: 10142016.B\10141658.D  
 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



MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11R

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/14/2016 21:58  
Date Analyzed: 10/14/2016 21:58  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758008  
Lab File ID: 10142016.B\10141659.D  
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 UT
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 UT
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UT
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 UT
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 UT
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 UT

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11R

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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/14/2016 22:19  
Date Analyzed: 10/14/2016 22:19  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758009  
Lab File ID: 10142016.B\10141660.D  
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 UT
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 UT
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UT
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 UT
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 UT
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 UT

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/14/2016 22:41  
Date Analyzed: 10/14/2016 22:41  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758010  
Lab File ID: 10142016.B\10141661.D  
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 UT
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 UT
67-66-3	Chloroform	<2.5	U
74-87-3	Chloromethane	<0.50	U UT
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 UT
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 UT
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 UT

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

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

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MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-16R

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

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-16R

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

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MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-10

Lab Name: Pace Analytical - Green Bay  
Date Received: 10/07/2016 12:50  
Date Extracted: 10/18/2016 11:42  
Date Analyzed: 10/18/2016 11:42  
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
Matrix: Water SDG No.: 40139758  
Lab Sample ID: 40139758012  
Lab File ID: 10182016.B\10181616.D  
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

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MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-10

Lab Name: Pace Analytical - Green Bay  
 Date Received: 10/07/2016 12:50  
 Date Extracted: 10/18/2016 11:42  
 Date Analyzed: 10/18/2016 11:42  
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
 Matrix: Water SDG No.: 40139758  
 Lab Sample ID: 40139758012  
 Lab File ID: 10182016.B\10181616.D  
 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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-20

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 UT
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 UT
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U UT
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 UT
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

10/24/2016 3:02

MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-20

Lab Name: Pace Analytical - Green Bay  
 Date Received: 10/07/2016 12:50  
 Date Extracted: 10/18/2016 12:04  
 Date Analyzed: 10/18/2016 12:04  
 Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: 119637 PPG  
 Matrix: Water SDG No.: 40139758  
 Lab Sample ID: 40139758013  
 Lab File ID: 10182016.B\10181617.D  
 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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
TRIP BLANK

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

10/24/2016 3:02

MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

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

MSV - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

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 <i>UT</i>
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 <i>UT</i>
74-83-9	Bromomethane	<2.4	U
78-93-3	2-Butanone (MEK)	<3.0	U <i>UT</i>
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 <i>UT</i>
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

10/24/2016 3:02

MSV - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
EQUIPMENT BLANK

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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CB&I Federal Services LLC  
Penn Center East Building Five  
500 Penn Center Boulevard  
Pittsburgh, PA 15235  
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:

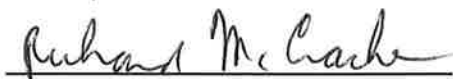
Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
TF-1	40139758001	MW-13	40139758009
TF-2	40139758002	MW-14	40139758010
TF-4	40139758003	MW-16R	40139758011
LW-3	40139758004	TF-10	40139758012
LW-5	40139758005	TF-20	40139758013
MW-9R	40139758006	Equipment Blank	40139758015
MW-11R	40139758008		

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

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  $\leq 10$  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. $\mu\text{g/L}$	Action Level $\mu\text{g/L}$	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 ( $\pm 30$  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.

### Laboratory and Data Verification Qualifiers

Qualifier	Definition
<b>USEPA Validation Qualifiers<sup>1</sup></b>	
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.

<sup>1</sup>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)*.

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-1

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



MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-2

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-4

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LW-3

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

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MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LW-5

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-9R

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11R

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

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



MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-16R

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-10

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

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TF-20

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 UT
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 ↓

MSSV FULL SCAN - FORM I SVOA-1  
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
EQUIPMENT BLANK

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 <u>US</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

*D-3: Data Validation - Metals*

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CB&I Federal Services LLC  
Penn Center East Building Five  
500 Penn Center Boulevard  
Pittsburgh, PA 15235  
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 - 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. Esche

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,  $r \geq 0.995$   
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  $\leq 10$  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
<b>USEPA Validation Qualifiers<sup>1</sup></b>	
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.

<sup>1</sup>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)*.

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-1

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 <u>J</u>	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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-2

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-4

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	<del>0.1</del> 20	<del>U</del> 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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

LW-3
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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	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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

LW-5

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	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	<del>5.7</del> 80	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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.  
MW-9R

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	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



FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11R

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

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	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	<del>6.0</del> 20	<del>Y</del> 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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-16R

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	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	X	ug/L	1	10/11/2016 20:11
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:11

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-10

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	<del>12.6</del> 20	U	U ug/L	1	10/11/2016 20:13
7440-22-4	Silver, Dissolved	<3.2	U	ug/L	1	10/11/2016 20:13

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-20

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	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	<del>7.7</del> 20	<del>U</del> 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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.  
EQUIPMENT BLANK

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-1

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



FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-2

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-4

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

LW-3

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

LW-5

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-9R

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11R

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

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



FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.  
MW-16R

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-10

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TF-20

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

FORM I INORGANIC-1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

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