Operation, Monitoring, and Maintenance Annual Report

January 1, 2019 – December 31, 2019
Madison-Kipp Corporation
Groundwater, Soil Vapor, and Treatment Systems

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1.0 Introduction

TRC Environmental Corp. (TRC), on behalf of Madison-Kipp Corp. (MKC), is reporting on the operation, monitoring, and maintenance (OM&M) of the groundwater and soil vapor extraction treatment system operations at MKC's facility at 201 Waubesa Street, Madison, Wisconsin (Site).

1.1 Site Description

The Site is located in the southwest quarter of Section 5, Township 7 North, Range 10 East in Dane County, Wisconsin. The Site Location Map is shown on Figure 1. The Site is approximately 7.5 acres in area, with a 130,000 square foot building occupying much of the Site. The building has a basement and a second floor over part of the footprint. There is a second 6,000 square foot building in the northeast corner of the property, housing the Groundwater Extraction Treatment System (GETS) and storage. The remainder of the Site is predominately paved in asphalt for driveways and parking lots. The Site is zoned M-1 (industrial/manufacturing), and is currently operated as a metal die casting facility.

The Site is surrounded by a mix of commercial, industrial, and residential land use. The Site is bounded by the Capital City Bike Trail to the north, residences to the east, Atwood Avenue to the south, and Waubesa Street to the west. The Goodman Community Center is located to the north across the Capital City Bike Trail. Residences are located adjacent to the east and west sides of the Site. Commercial properties are located to the south.

The Site is located on the northeastern end of the Madison Isthmus, which is a narrow strip of land separating Lake Mendota and Lake Monona. The Site is approximately 1,500 feet north of Lake Monona and approximately 6,800 feet east of Lake Mendota. These two lakes are the hydrologic boundaries for the Site. The topography of the Site is flat, with an elevation ranging from approximately 870 to 880 feet above mean sea level. The Site and surrounding areas are serviced by municipal water supply and sewer systems.

1.2 Site Background

Environmental investigation and remediation activities have been on-going at the Site since 1994. Investigation activities included defining the extent of tetrachloroethene (PCE) and, beginning in 2012, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs) and Resource Conservation and Recovery Act metals (RCRA Metals). A complete summary of the project background, including the on-site and off-site investigations is included in the 2015 Annual Report submitted to the Wisconsin Department of Natural Resources (WDNR) on April 12, 2016 by Arcadis U.S., Inc. (Arcadis, 2016) and in previous reports referenced therein.

A Soil Vapor Extraction (SVE) system began permanent continuous operation at the Site in May 2013 and operated continuously until October 2018, when the system was shut down based on WDNR-approval for additional sampling of Site soil gas without the system operating. The on-going monitoring of soil gas at the Site and recommendations for the SVE are discussed in this report.

The Site's active remediation system is a Groundwater Extraction and Treatment System (GETS) designed to treat dissolved volatile organic compounds (VOCs), primarily PCE. Arcadis completed start-up testing of the GETS from July 2015 through December 2015. During the start-

up period, the system was operated at its 45 gallon per minute (gpm) capacity, but was occasionally offline for system optimization and equipment repairs/modification. The GETS has operated full-time since January 2016, but the pumping rate was adjusted to 40 GPM following the SVE shutdown in October 2018 due to the interconnected air treatment for vapors from the SVE and GETS.

Since December 2016 TRC, on behalf of MKC, has completed investigation and remedial action work to evaluate and eliminate sources potentially causing PCB-impacts to the rain garden located immediately north of the Site. Following remedial investigation and remedial actions to remove soil/sediment impacted with PCBs above the NR-720 industrial direct contact residual contaminant levels, sediment monitoring continues to be completed within the Site's storm sewer system and at the outfall area into the garden limits.

1.3 Record Keeping and Reporting Requirements

In 2019 MKC completed annual inspections of off-site sub-slab depressurization systems installed at five properties along Marquette Street. Annual inspections were completed at the five properties between February and March 2019.

MKC completes cap maintenance inspections for their property at 201 Waubesa Street. All interior and exterior cap inspections were completed annual/monthly depending on the cap location as needed and documentation can be provided upon request.

In April 2019, a section of the facility's concrete floor was replaced. Documentation of this work was included in the August 8, 2019 Technical Memorandum entitled Revised Interior Manufacturing Floor Modifications (TRC 2019b).

As of December 31, 2019, MKC is current on the financial agreements per the November 22, 2017 Stipulation and Order for Judgement and Coordinated Approval with the United States Environmental Protection Agency. Further details can be provided upon request.

1.4 Purpose and Scope

On-going OM&M activities are completed to monitor the status of soil gas and groundwater conditions at the Site and to ensure the treatment systems are operating as designed and in compliance with regulatory standards. 2019 OM&M activities included: GETS operation and monthly Discharge Monitoring Reports, semi-annual Site groundwater monitoring, annual Site soil gas monitoring, and semi-annual sediment and stormwater monitoring for the rain garden. The purpose of this Annual Report is to provide documentation of OM&M activities performed during January 1 through December 31, 2019.

This Annual Report describes:

- GETS OM&M,
- SVE OM&M,
- Groundwater Monitoring,
- Site Soil Gas Monitoring,

- Rain Garden Sediment and Stormwater Monitoring, and
- Conclusions and Recommendations.

2.0 GETS OM&M

MKC is operating a GETS system for extraction and treatment of PCE-impacted groundwater. The system was installed in 2015 and is described in detail in Groundwater Extraction and Treatment System (GETS) Construction Documentation Report (Arcadis, 2015b).

2.1 System Operation

Over the period of January 1 through December 31, 2019, the GETS was generally operated at 40 gpm. Prior to the SVE shutdown, the GETS was operated at 45 gpm. The vapors extracted from the SVE system were combined with vapors generated from the air stripper for the GETS operation and treated by two 2,000-pound activated carbon vessels installed in series. To ensure proper operation of the air stripper, a booster blower is installed downstream of the stripper to overcome back pressure from the SVE system. With the SVE system shutdown, the water level in the air stripper increases due to lack of back pressure downstream of the blower. If the GETS runs at 45 gpm, the booster blower can pull water from the top portion of the air stripper into the vapor phase carbon vessels. Therefore, with the SVE system shutdown, the GETS is generally being operated at 40 gpm.

The extraction and transfer pumps for the GETS have variable speed frequency drives that fluctuate flow rate based on liquid levels in the equalization and mixing tank along with the air stripper liquid level. At times the flow will fluctuate above and below the design rate over a few days' time, however, the overall weekly to monthly flow rate is generally consistent.

The GETS system was occasionally shutdown for routine maintenance and required repairs. During this reporting period the following GETS repairs and maintenance tasks were completed:

- The GETS was shut down during a portion of the month of January and February to complete valve/pipe connection resealing, replacement of pressure transducer PIT-101 (influent water pressure) and due to cold weather conditions and flow issues;
- GETS program updates and alarm sensor checks;
- Minor shutdowns occurred due to system faults related to air bubbles in the peroxide feed line, the pump was primed, and the system was restarted; and
- Air stripper unit and select piping sections were cleaned.

The location of the extraction well (GWE-1) for the GETS is identified on Figure 2. MKC personnel complete weekly monitoring of the GETS and an operations summary table is included in Table 1.

A total of approximately 18,981,696 gallons of groundwater were treated between January 1, 2019 and December 31, 2019. During the 2019 calendar year, approximately 275 pounds of VOCs were removed. From the start of the system through the end of December 2019, approximately 1,250 pounds of VOCs have been removed through operation of the GETS. A trend plot depicting the cumulative VOCs removed over time since the start-up of the GETS system is included in Trend Plot A.1 of Appendix A. In addition, the trend plot showing PCE concentration verses time for the groundwater extraction well (GWE-1) is included in Trend Plot A.2 of Appendix A. Additional system operation information is attached in the Remediation Site Operation, Maintenance, Monitoring, and Optimization Report Form 4400-194 in Appendix B.

2.2 Monthly Discharge Monitoring Reports

MKC completes monthly performance monitoring and submits monthly Discharge Monitoring Reports (DMRs) required for the system operation and discharge permit (Wisconsin Pollution Discharge Elimination System (WPDES) Permit number WI-0046566-6).

For 2019 performance monitoring and permit compliance, TRC on behalf of MKC collected samples of the extracted groundwater (GETS influent) and treated groundwater (GETS effluent) on a quarterly basis. Table 2 provides the influent and effluent laboratory analytical results for the 2019 reporting period. The 2019 sampling frequency and monitoring parameters collected were completed as approved by the WDNR in December 2018. Parameters included daily monitoring of flow; monthly visual monitoring for permanganate neutralization; quarterly monitoring of select volatile organic compounds and polycyclic aromatic hydrocarbons; and monitoring of total suspended solids after system cleaning events.

The DMRs for January through December 2019 were submitted electronically to the WDNR through the Web Access Management System Switchboard. Laboratory analytical reports for samples collected between January and June 2019 were included in the August 26, 2019 Operations, Monitoring, and Maintenance Semi-Annual Report for the period January 1, 2019 – June 30, 2019 Submittal (TRC, 2019c). A copy of the last submittal from the December 2019 monitoring event and laboratory reports for samples collected between July and December 2019 are included in Appendix C.

2.3 Semi-Annual Vapor Sampling

The GETS produces gases which are treated with granular activated carbon (GAC) for removal of vapor-phase volatile organic compounds (VOCs). The GAC influent and GAC effluent gas was previously sampled on a monthly basis but are now sampled semi-annually for performance and compliance monitoring. The 2019 results are representative of gases from the GETS only as the SVE system was shutdown in October 2018. An analytical summary table with influent and effluent results are included in Table 3 and the laboratory analytical reports are included in Appendix D. An emission rate was calculated based on the effluent analytical results and system flow rate; and results were compared to NR 445 and NR 406. No regulatory standards for effluent emissions from the system were exceeded. Tables 4 through 8 include a summary of the emission rates for total VOCs, PCE, trichloroethene (TCE), cis-1,2, dichloroethene (cis-1,2-DCE), and vinyl chloride (VC) for the 2019 calendar year.

TRC continues to assess the influent and effluent concentrations of VOCs to evaluate the GAC component of the treatment system. The 2019 evaluation concluded that the activated carbon is approaching the end of its life as PCE continues to be reduced but breakdown products (e.g. TCE, cis-1,2-DCE, and VC) are not being reduced as effectively, although they still remain below applicable standards. Loading rates for total VOCs, PCE, TCE, cis-1,2-DCE, and VC were calculated based on the influent results (pre-carbon treatment). With the GETS in operation, the pre-carbon treatment gas concentrations for VOCs, PCE, TCE, cis-1,2-DCE, and VC are below the established NR 445 and NR 406 regulatory standards. A summary of these calculations is included in Tables 9 through 13.

3.0 SVE OM&M

MKC previously operated an SVE system for extraction and treatment of shallow soil vapor on the east-northeast portion of the Site. The system began permanent operation in May 2013 and continued operation through October 2018. On October 25, 2018, the SVE system was shutdown, as approved by the WDNR, to evaluate its effectiveness at the Site. A summary of the shutdown and soil gas monitoring completed was included in the Soil Vapor Extraction System Shut Down and Soil Gas Analytical Results discussion letter submitted to the WDNR on February 8, 2019 (TRC, 2019a). Soil gas sampling was completed in July and October 2019 to further evaluate Site soil gas and the results are further discussed in Section 5.

4.0 Groundwater Monitoring

The 2019 groundwater monitoring program at the Site, which included water level gauging and sampling, was conducted as summarized in Table 14.

The Site contains 39 monitoring wells, 4 multi-port wells, and one operational extraction well (GWE-1). The wells are installed in unconsolidated units and/or bedrock and their locations are shown on Figure 2. The Site's near-surface geology consists of two unconsolidated units consisting of fill material and glacially-derived deposits, which overlie three bedrock formations (Lone Rock, Wonewoc, and Eau Claire). Further information on the site geology is included in the 2014 Annual Report (Arcadis, 2015a) and in previous reports referenced therein.

4.1 Groundwater Flow Conditions

Water levels at 39 Site monitoring wells and 20 multi-port well intervals were gauged on October 7, 2019. The groundwater elevations are summarized in Table 15, and the October 2019 water table map and potentiometric surface maps are shown on Figures 3 through 7. Overall, the groundwater elevations and the direction of groundwater flow in October 2019 are generally consistent with historical observations. Groundwater flow at the water table converges toward the site from the north, south, and west (Figure 3). Groundwater flow in the Upper Lone Rock formation is generally to the north-northeast (Figure 4). The extraction well (GWE-1) has a local influence on flow within the Lower Lone Rock, Upper Wonewoc, and Lower Wonewoc formations, causing flow to generally converge toward the extraction well (Figures 5 through 7).

4.2 Monitoring Well Network and Sampling Program

Groundwater sampling was conducted in wells within the unconsolidated units, Lone Rock formation, and the Wonewoc formation for geochemical field parameters and chemical analysis for VOCs. Monitoring wells were sampled to evaluate the effectiveness of the GETS operation—which was installed to remove VOCs from the groundwater and provide hydraulic containment to minimize off-site migration—and to evaluate the overall site-wide water quality. A summary of the wells monitored during the April and October 2019 sampling events is included in Table 14.

In addition, ten of the site wells were monitored for polychlorinated biphenyls (PCBs), total suspended solids (TSS), total dissolved solids (TDS), and geochemical field parameters during the April 2019 and October 2019 monitoring events. Select wells were based on the November 22, 2017 Stipulation and Order for Judgement and coordination with the United States Environmental Protection Agency. The wells sampled are located in the unconsolidated or Lone Rock unit/formation and a summary is included in Table 14.

4.3 Site Groundwater Monitoring

The results from the 2019 groundwater sampling events are included in Table 16, and the laboratory analytical reports for the October 2019 monitoring event are included in Appendix E. A historical summary table containing groundwater analytical results to date is also included in Appendix E. Laboratory reports for the April 2019 event were included in the Operations, Monitoring, and Maintenance Semi-Annual Report for the period January 1, 2019 – June 30, 2019 Letter (TRC, 2019c).

Multiple NR 140 preventative action limit (PAL) and enforcement standard (ES) exceedances for VOCs were reported for the October 2019 sampling event. The overall concentration of PCE over time was reviewed for each Site well sampled during the second half of 2019, and a brief description for each unit/formation is included in Section 4.4 below. Appendix A includes a trend plot (A.3) indicating PCE concentrations over time for multi-port MP-13 Port 2 (135-139) which contained the highest concentration of PCE during the October 2019 monitoring event.

Isoconcentration maps for PCE for the Water Table (Unconsolidated), Upper Lone Rock, Lower Lone Rock, Upper Wonewoc, and Lower Wonewoc are shown in Figures 8 through 12, respectively. The contours are based on the October 2019 monitoring event.

Figure 13 includes two cross-sections (A-A' and B-B') displaying the vertical PCE concentration extents based on the October 2019 groundwater monitoring. Figure 2 shows the location of the wells and the cross-sections.

The ten monitoring wells sampled for PCBs in October 2019 had no detections above the method detection limits and therefore no exceedance of the NR 140 ES or PAL for PCBs were reported. As such, colloidal and co-solvency transport has not occurred at the site based on analytical results.

4.4 GETS Performance and VOC Groundwater Sampling Results Discussion

During the start-up of the GETS in July 2015, a constant rate pumping test was completed by pumping the groundwater extraction well (GWE-1) at a constant rate of 45 gallons per minute while measuring water levels in most site monitoring wells. A summary of the pumping test was included in Attachment B of the Groundwater Extraction and Treatment System (GETS) Construction Documentation Report submitted to the WDNR in November 2015 (Arcadis, 2015b). The test indicated that drawdown was observed within most of the wells within the 2015 well network, including wells in the most distant wells nests. Five wells in close proximity to GWE-1 (MW-19D, MW-19D2, MW-20D, MW-20D2, and MW-21D) were not monitored during the pumping test but are certainly within the radius of influence of GWE-1. Drawdown was not notable in MW-27D2; however, drawdown was observed in MW-27D. The pumping test report suggests that drawdown was not observed at the MW-25 well nest, however, a review of the hydrograph for MW-25D2 for the period of the pumping test shows a clear decrease in water level in response to the onset of pumping. Thus, the influence of pumping GWE-1 at 45 gpm is also clearly measurable at downgradient MW-25D2. Based on the results of the 2015 pumping test it appears that the radius of influence of GWE-1 encompasses the horizontal extent of the groundwater plume when pumping at 45 gpm.

GWE-1 is screened within the Lone Rock and Wonewoc formations. During the pumping test, drawdown was reported for wells screened in these formations as well as wells screened in the unconsolidated formation above the Lone Rock. This indicates that the hydrologic influence of pumping GWE-1 is also observed over the vertical extent of the groundwater plume.

Although pumping test data suggest the plume is fully captured by pumping, not all wells in the monitoring well network have stable or decreasing contaminant trends. A handful of wells have unstable or apparently increasing PCE concentrations. There are many possible reasons for unstable or increasing contaminant concentrations at wells within the pumping test radius of influence of GWE-1, including: localized connectedness or disconnectedness of fractures,

changes in hydraulic gradients caused by rainfall events or lack of rainfall, plume advancement during times when the GETS is off for maintenance, and the difference in pumping rate between the pumping test (45 gpm) and current GETS operation (40 gpm - Note: The temporary pumping rate adjustment from 45 gpm to 40 gpm was completed in October 2018 based on the shutdown of SVE as discussed in Soil Vapor Extraction Shut Down & Monitoring Well Network Modification Work Plan (TRC, 2018a)). Nevertheless, wells on the edges of the plume tend to have stable PCE concentrations, indicating the plume is not significantly advancing and therefore the GETS is effective at both removing VOCs from the groundwater (see Section 2.1) and providing hydraulic containment to minimize off-site migration.

The following sections summarize PCE trends for each geologic unit using data from wells sampled in October 2019.

4.4.1 Unconsolidated

A limited number of wells within the unconsolidated unit were sampled in October 2019 (MW-1, MW-3S, MW-6S, and MW-28). PCE concentration trends for these wells are generally inconsistent. MW-1 displays a generally decreasing trend and has stabilized at approximately 5 µg/L. MW-3S displays a generally unstable PCE trend with a recent increase. MW-6S has remained consistently below the ES for PCE. MW-28 has only been sampled twice so the PCE concentration trend cannot yet be assessed, however PCE in MW-28 exceeds the ES. Other unconsolidated wells that were not sampled (MW-2S, MW-4S, MW-7, MW-8, MW-10S, MW-11S, MW-12S, MW-18S, MW-26S, and MW-29S) historically had low (below the PAL and/or ES), decreasing, or stable PCE concentrations, or have not been sampled for VOCs.

4.4.2 Upper Lone Rock

MW-2D, MW-3D, MW-4D, MW-5S, MW-6D, MW-9D, MP-13 Port 7, MW-24, and MW-29D are located within the Upper Lone Rock unit. Most of these wells, with the exception of MW-4D, MW-24 and MW-29D, were sampled in October 2019. PCE concentrations at wells within this unit were generally decreasing or below the PAL. However, MW-3D has been relatively unstable with a recent increasing trend.

4.4.3 Lower Lone Rock

MW-3D2, MW-4D2, MW-5D, MW-9D2, MP-13 Port 5 and 6, MP-14 Port 4, MP-16 Port 4, MW-19D, MW-20D, and MW-21D, are located within the Lower Lone Rock unit. Wells MP-14 Port 4, MP-16 Port 4, MW-19D, MW-20D, and MW-21D were not sampled in October 2019. Generally, the Lower Lone Rock wells currently exceed the ES for PCE. PCE concentrations at wells within this unit were generally stable or decreasing after short-term spikes in 2015/2016. MW-5D has been generally unstable and MW-9D2 has displayed an increasing trend. MP-14 Port 4 and MP-16 Port 4 were both last sampled in October 2014, with PCE concentrations above the PAL but below the ES. MW-19D, MW-20D, and MW-21D were lasted sampled in October 2014 and generally contained exceedances of the ES for PCE.

4.4.4 Upper Wonewoc

MP-13 Ports 2, 3, and 4, MP-14 Ports 2 and 3, MP-15 Ports 3, 4, and 5, MP-16 Ports 2 and 3, MW-19D2, MW-20D2, MW-25D, MW-25D2, and MW-27D are located within the Upper Wonewoc

unit, and all wells with the exception of MW-19D2 and MW-20D2 were sampled in October 2019. PCE concentrations at wells within this unit were generally stable or decreasing after short-term spikes in 2015/2016. PCE concentrations at MW-25D have been reported below the PAL since 2016 and no exceedance of the ES have been reported. PCE concentrations at MW-25D2 are generally reported below the laboratory method detection limits (MDL) and reported detections above the MDL have not exceeded the PAL. However, MP-15 Port 4 has exhibited an increasing trend, and MP-14 Port 2, MP-15 Port 5, and MP-16 Port 2 are generally stable or decreasing but have recently displayed an increase.

4.4.5 Lower Wonewoc

MW-3D3, MW-5D2, MW-5D3, MP-13 Port 1, MP-14 Port 1, MP-15 Ports 1 and 2, MP-16 Port 1, MW-17, and MW-27D2 are located within the Lower Wonewoc unit, and all were sampled in October 2019. PCE concentrations at wells within this unit were generally stable or decreasing, with several wells below the ES (MW-3D3, MW-5D3, and MP-15 Port 1). MP-14 Port 1 has historically shown a slight increase, but a decrease was observed during recent sampling rounds. PCE concentrations at both MW-5D2 and MP-15 Port 2 show an increasing trend and MP-16 Port 1, though generally stable, has shown a slight increasing trend in recent sampling rounds. PCE concentrations in MW-27D2 show no apparent trend.

5.0 Soil Gas Monitoring

The 2019 annual soil gas monitoring program at the Site was adjusted based on the shutdown of the SVE system. Details of the shutdown and soil gas monitoring results through 2018 were included in the Soil Vapor Extraction System Shut Down and Soil Gas Analytical Results discussion letter submitted to the WDNR on February 8, 2019 (TRC, 2019a).The 2019 annual sampling program was conducted as described in the February 8, 2019 report.

5.1 2019 Vapor Probe Monitoring Plan

A total of seven soil gas vapor probes (VP) were proposed to be monitored in July 2019. The selected vapor probes (shown in Figure 14) included VP-237 along the west side of MKC property, VP-3, VP-6, and VP-102 along the north/northeast side, and VP-126, VP-1S, and VP-210 along the east side. A duplicate sample from VP-102 was collected during the sampling event as a quality control measure. Sampling was completed between July 16 and 17, 2019. During the July event, no sample could be collected from VP-3 due to water being extracted from the vapor probe. Multiple attempts to remove water from the probe was completed but no soil gas sample could be collected due water issues. The other six vapor probes were sampled and analyzed for cis-1,2 dichloroethene, trans-1,2 dichloroethene, tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride.

5.2 2019 Vapor Probe Monitoring Results

Table 17 includes the historical soil gas analytical results for the site vapor probes, and the latest results from the 2019 soil gas sampling. Laboratory analytical reports from 2019 sampling events are included in Appendix F.

The VOCs detected in the soil gas samples are mainly TCE and PCE. The results from the recent soil gas monitoring event indicate:

- Northern Soil Gas Probes (VP-6 and VP-102):
  - TCE and PCE were reported at VP-102 at concentrations above the WDNR's residential soil gas vapor risk screening levels. Concentrations have fluctuated in this probe over the years. An increase from the 2018 sampling events was observed and an additional sample was collected in October 2019 to determine if the increase was related to the shutdown of the SVE system or continued fluctuation. The October 2019 data was similar to that observed in July of 2017 when the SVE system was in operation.
  - Results from the 2019 sampling at VP-102 would indicate that PCE and TCE concentrations at this portion of the site show variability throughout the year and the variability is present with or without operation of the SVE system. The variability could be related to pressure or temperature changes but the SVE operation does not appear to influence the variability.

- The concentration of TCE in VP-6 was below the WDNR's residential soil gas vapor risk screening levels and PCE was above the residential soil gas vapor risk screening level which also is consistent with concentrations observed during SVE operation. It should be noted that VP-6 is installed along the Site property line on industrial property with no adjacent residences. In comparison to non-residential soil gas vapor risk screening levels, there are no exceedances for TCE or PCE. The detections of TCE and PCE were higher than the concentrations during the 2018 sampling events, however the concentrations were below historic results when the SVE system was in operation.

- Western and Eastern Soil Gas Probes (VP-126, VP-1S, VP-210, and VP-237):
  - PCE was the only constituent detected in VP-126, VP-210, VP-237 and concentrations detected were all below the WDNR's residential soil gas vapor risk screening level.
  - Cis-1,2-dichloroethane, PCE, and TCE were detected in VP-1S and concentrations detected were all below the WDNR's residential soil gas vapor risk screening levels.
  - The detections of cis-1,2-dichloroethane, PCE, and/or TCE at VP-126, VP-1S, VP-210, and VP-237 were generally higher than observed during the 2018 sampling events, however concentrations remained below the WDNR's residential soil gas vapor risk screening levels.

The results of the SVE shutdown performance monitoring in 2019 indicate that shutdown of the SVE system has not caused an appreciable change in the soil gas VOC concentrations at the Site. Based on the 2019 soil gas monitoring events, TRC, on behalf of MKC, proposes to keep the SVE system off and to schedule a meeting with the WDNR to further discuss the steps to closure of the active remediation system for soil gas at the site.

6.0 Rain Garden Sediment Monitoring

TRC completed the second 2019 semi-annual round of sediment sampling as recommended in the December 4, 2018, Rain Garden – 2018 Sediment Monitoring (BRRTS #02-13-562649) letter. A sediment sample was collected from manhole MH-1A and from the Outfall into the rain garden on October 10, 2019 and analyzed for PCBs using EPA Method 8082. In accordance with Section D part 2 of the April 2, 2019, U.S. Environmental Protection Agency TSCA PCB Coordinated Approval, one water sample was collected from the outfall area on October 10, 2019 and analyzed for PCBs as well. The location of manhole MH-1A and the Outfall are shown on Figure 15. Table 18 includes a summary of the sediment samples collected to date and Appendix G includes the laboratory analytical report for the sediment and water samples collected.

- Based on the semi-annual sediment sample results, the material within MH-1A contains low concentrations of PCBs, below the NR 720 industrial direct contact residual contaminant levels (RCLs). The sediment observed within MH-1A was primarily coarse grain material with some fines and organics.
- Sediment accumulation within the Outfall pipe was present and generally consisted of primarily fine grain material with some organics. Results from the semi-annual monitoring show that sediment containing PCBs is present in the Outfall, but at concentrations below the NR 720 industrial direct contact RCLs.
- No PCB aroclors analyzed were detected above the laboratory method detection limits for the water sample collected from the outfall point. The analytical laboratory report is included in Appendix G.

7.0 Conclusions and Recommendations

7.1 Remedial System Operation

The OM&M activities for the SVE and GETS were completed as required at the Site during the 2019 calendar year. System operation data and details for the first part of the year (January 2019 to June 2019) were included in the Operations, Monitoring, and Maintenance Semi-annual Report – January 1, 2019 – June 30, 2019, Groundwater and Soil Vapor Extraction Treatment Systems Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin (TRC, 2019c) The GETS operated continuously throughout this reporting period, with the exception of repairs and routine maintenance as noted. The SVE system remained shut down during the 2019 calendar year for evaluation as noted.

7.2 Site Groundwater Monitoring

Site groundwater monitoring was completed in April and October 2019. PCE trends were reviewed for site wells in conjunction with the data collected during the 2015 constant rate pump test. Although pumping test data suggest the plume is fully captured by pumping, not all wells in the monitoring well network have stable or decreasing contaminant trends. A handful of wells have unstable or apparently increasing PCE concentrations. There are many possible reasons for unstable or increasing contaminant concentrations at wells within the pumping test radius of influence of GWE-1, including: localized connectedness or disconnectedness of fractures, changes in hydraulic gradients caused by rainfall events or lack of rainfall, plume advancement during times when the GETS is off for maintenance, and pumping rates. Nevertheless, wells on the edges of the plume tend to have stable PCE concentrations, indicating the plume is not significantly advancing and therefore the GETS is effective at both removing VOCs from the groundwater and providing hydraulic containment to minimize off-site migration.

As additional monitoring events are completed, further data and concentration verses time analyses will be completed to continue to evaluate the effectiveness of the GETS. As of December 2019, the GETS has been in operation for approximately four and half years. The GETS, while pumping at 45 gpm, is capable of influencing local groundwater within the unconsolidated , Lone Rock, and Wonewoc formations. Groundwater monitoring will continue to evaluate if there are impacts to groundwater not being addressed by the remediation system.

7.3 Site Soil Gas Monitoring

The soil gas results collected during the 2019 calendar year indicates that only vapor point VP-102 had PCE and TCE concentrations above the WDNR's residential soil gas vapor risk screening levels at a location adjacent to residences. The concentration of PCE and TCE at VP-6 in 2019 were below levels measured while the SVE was in operation. The concentrations of CVOCs in soil gas at VP-1S, VP-126, VP-210, and VP-237 were below WDNR's residential soil gas vapor risk screening levels. TRC, on behalf of MKC, proposes to keep the SVE system off and to schedule a meeting with the WDNR to further discuss the steps to closure of the active remediation system for soil gas at the site.

7.4 Rain Garden Sediment Monitoring

Sediment results from both semi-annual monitoring events completed in 2019 indicated that sediment containing PCBs continues to be present in manhole MH-1A and the Outfall pipe. However, reported concentrations are below the NR 720 industrial direct contact RCLs. In addition, PCBs were not detected above the laboratory method detection limit in the stormwater present in rain garden.

7.5 Recommendations

Based on the results of the 2019 OM&M, no immediate actions are required, and OM&M is planned to continue in 2020. Work planned for 2020 includes the following:

- GETS operation;
- SVE system will remain shut down until further discussion with the WDNR is completed;
- Compliance monitoring;
- Groundwater monitoring (as outlined in Table 14);
- Rain garden semi-annual sediment and stormwater monitoring; and
- Semi-annual reporting.

8.0 References

Arcadis U.S., Inc. 2015a. 2014 Annual Report, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. March 2015.

Arcadis U.S., Inc. 2015b. Groundwater Extraction and Treatment System (GETS) Construction Documentation Report, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. November 19, 2015.

Arcadis U.S., Inc. 2016. 2015 Annual Report, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. April 12, 2016.

TRC Environmental Corporation. 2018a. Soil Vapor Extraction Shut Down & Monitoring Well Network Modification Work Plan, Madison, Wisconsin. August 22, 2018.

TRC Environmental Corporation. 2018b. Operations, Monitoring, and Maintenance Semi-annual Report – January 1, 2018 – June 30, 2018, Groundwater and Soil Vapor Extraction Treatment Systems Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. September 17, 2018.

TRC Environmental Corporation. 2019a. Update on Soil Vapor Extraction System Shut Down and Soil Gas Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin. February 9, 2019.

TRC Environmental Corporation. 2019b. Revised Interior Manufacturing Floor Modifications Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin Facility ID No. 113125320, BRRTS No. 02-13-578014. August 8, 2019.

TRC Environmental Corporation. 2019c. Operations, Monitoring, and Maintenance Semi-annual Report – January 1, 2019 – June 30, 2019, Groundwater and Soil Vapor Extraction Treatment Systems & Rain Garden Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. August 26, 2019.

Table 1: Summary of Groundwater Extraction System Operation and Mass Removal - January - December 2019
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date		Groundwater Discharged This Period (gal)	Cumulative Groundwater Discharged (gal)[1]	Average Discharge Flow Rate[2],[5] (gpd)	Average Discharge Flow Rate[2],[5],[6] (gpm)	Influent Sample Results[3] VOCs (µg/L)	Effluent Sample Results[3] VOCs (µg/L)	Cumulative VOCs Removed[1],[4] (pounds)	Comments
1/3/2019	1/3/2019 13:57	1,158,159	64,824,449	57,560	40	NS	NS	980	
1/7/2019	1/7/2019 12:50	227,648	65,052,097	57,582	40	NS	NS	980	
2/13/2019	2/13/2019 12:49	813,680	65,865,777	21,992	15	NS	NS	990	GETs shutdown for valve and pipe repair/maintenance.
2/14/2019	2/14/2019 7:48	37,786	65,903,563	47,772	33	NS	NS	990	
2/27/2019	2/27/2019 11:25	756,663	66,660,226	57,538	40	NS	NS	1000	
3/1/2019	3/1/2019 13:29	119,783	66,780,009	57,419	40	NS	NS	1010	
3/6/2019	3/6/2019 14:28	289,985	67,069,994	57,526	40	1790	17.7	1010	
3/12/2019	3/12/2019 11:00	334,355	67,404,349	57,100	40	NS	NS	1010	
3/20/2019	3/20/2019 9:20	456,275	67,860,624	57,534	40	NS	NS	1020	
3/28/2019	3/28/2019 10:10	277,973	68,138,597	34,596	24	NS	NS	1030	
4/2/2019	4/2/2019 11:10	289,969	68,428,566	57,515	40	NS	NS	1030	
4/3/2019	4/3/2019 13:17	62,621	68,491,187	57,546	40	NS	NS	1030	
4/5/2019	4/5/2019 10:54	20,323	68,511,510	10,692	7	NS	NS	1030	GETS shutdown due to chemical pump fault.
4/8/2019	4/8/2019 14:05	180,048	68,691,558	57,475	40	NS	NS	1030	
4/9/2019	4/9/2019 11:15	50,780	68,742,338	57,577	40	NS	NS	1030	
4/11/2019	4/11/2019 10:36	113,573	68,855,911	57,566	40	NS	NS	1040	
4/23/2019	4/23/2019 14:57	700,618	69,556,529	57,516	40	NS	NS	1050	
4/24/2019	4/24/2019 8:25	41,856	69,598,385	57,512	40	NS	NS	1050	
4/30/2019	4/30/2019 10:19	349,585	69,947,970	57,505	40	NS	NS	1050	
5/1/2019	5/1/2019 13:59	65,762	70,013,732	57,047	40	NS	NS	1050	
5/6/2019	5/6/2019 10:07	278,232	70,291,964	57,499	40	NS	NS	1060	
5/21/2019	5/21/2019 10:15	867,698	71,159,662	57,825	40	NS	NS	1070	
5/30/2019	5/30/2019 14:26	522,680	71,682,342	56,972	40	NS	NS	1080	
6/4/2019	6/4/2019 10:56	279,092	71,961,434	57,495	40	NS	NS	1080	
6/6/2019	6/6/2019 11:06	115,337	72,076,771	57,469	40	NS	NS	1080	
6/7/2019	6/7/2019 11:27	3,855	72,080,626	3,800	3	1863.2	13.9	1080	GETS shutdown for scheduled cleaning
6/12/2019	6/12/2019 10:21	284,778	72,365,404	57,483	40	NS	NS	1090	
6/20/2019	6/20/2019 10:13	459,570	72,824,974	57,486	40	NS	NS	1100	
6/27/2019	6/27/2019 10:12	400,597	73,225,571	57,234	40	NS	NS	1100	
7/3/2019	7/3/2019 9:26	344,739	73,570,310	57,764	40	NS	NS	1110	
7/11/2019	7/11/2019 9:22	459,587	74,029,897	57,468	40	NS	NS	1110	
7/16/2019	7/16/2019 16:07	303,472	74,333,369	57,462	40	NS	NS	1120	
7/19/2019	7/19/2019 12:59	154,386	74,487,755	53,803	37	NS	NS	1120	GETS shutdown due to a power outage for a period of time.
7/23/2019	7/23/2019 10:07	223,041	74,710,796	57,477	40	NS	NS	1120	
7/31/2019	7/31/2019 12:15	465,279	75,176,075	57,521	40	NS	NS	1130	
8/8/2019	8/8/2019 10:09	--	--	--	--	NS	NS	1130	Flow total recorded incorrectly, and not used for calculation purposes.
8/12/2019	8/12/2019 12:12	689,885	75,865,960	57,500	40	NS	NS	1140	
8/23/2019	8/23/2019 13:14	300,574	76,166,534	27,218	19	NS	NS	1150	System shutdown on 8/17/2019 due low flow in effluent air. The Air Stripper was cleaned and new gaskets were installed, system restarted on 8/23/19.
8/27/2019	8/27/2019 8:28	218,646	76,385,180	57,517	40	NS	NS	1150	
9/5/2019	9/5/2019 14:45	532,637	76,917,817	57,509	40	NS	NS	1160	
9/6/2019	9/6/2019 10:05	46,347	76,964,164	57,534	40	1450	13.5	1160	
9/11/2019	9/11/2019 10:24	288,344	77,252,508	57,517	40	NS	NS	1160	
9/20/2019	9/20/2019 9:10	514,635	77,767,143	57,510	40	NS	NS	1170	
9/24/2019	9/24/2019 12:37	--	--	--	--	NS	NS	1170	Flow total recorded incorrectly, and not used for calculation purposes.
10/2/2019	10/2/2019 12:10	697,362	78,464,505	57,514	40	NS	NS	1180	
10/8/2019	10/8/2019 14:54	351,728	78,816,233	57,529	40	NS	NS	1180	
10/10/2019	10/10/2019 10:09	103,655	78,919,888	57,520	40	NS	NS	1180	
10/16/2019	10/16/2019 11:05	347,415	79,267,303	57,530	40	NS	NS	1190	
10/23/2019	10/23/2019 12:57	407,240	79,674,543	57,538	40	NS	NS	1190	

Table 1: Summary of Groundwater Extraction System Operation and Mass Removal - January - December 2019
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date		Groundwater Discharged This Period (gal)	Cumulative Groundwater Discharged (gal)[1]	Average Discharge Flow Rate[2],[5] (gpd)	Average Discharge Flow Rate[2],[5],[6] (gpm)	Influent Sample Results[3] VOCs (µg/L)	Effluent Sample Results[3] VOCs (µg/L)	Cumulative VOCs Removed[1],[4] (pounds)	Comments
11/6/2019	11/6/2019 14:16	806,829	80,481,372	57,406	40	NS	NS	1200	
11/7/2019	11/7/2019 12:11	52,505	80,533,877	57,496	40	NS	NS	1200	
11/14/2019	11/14/2019 12:53	1,263,860	80,938,403	57,455	40	NS	NS	1220	
11/18/2019	11/18/2019 13:58	--	--	--	--	NS	NS	1220	Flow total recorded incorrectly, and not used for calculation purposes.
11/26/2019	11/26/2019 11:09	686,471	81,624,874	57,552	40	NS	NS	1220	
12/5/2019	12/5/2019 10:18	515,876	82,140,750	57,546	40	NS	NS	1230	
12/9/2019	12/9/2019 10:40	231,087	82,371,837	57,552	40	1369	15.7	1230	
12/10/2019	12/10/2019 10:52	47,679	82,421,723	57,599	40	NS	NS	1230	
12/20/2019	12/20/2019 11:03	575,847	82,997,570	57,541	40	NS	NS	1240	
12/30/2019	12/30/2019 12:47	579,714	83,577,284	57,556	40	NS	NS	1250	

Notes:
The total gallons treated and VOCs removed by the GETS prior to January 2016 is further discussed in the *2015 Annual Report* (ARCADIS, April, 2016).
The GETS was shutdown between January 1 and 14, 2016 for groundwater extraction pump repairs. The system was restarted on January 14, 2016.
-- = Field reading recorded is not consistent with previous collected data and not used for calculations or system issues did not allow a reading to be obtained.
VOCs = Volatile Organic Compounds
GETS - Groundwater Extraction and Treatment System

Updated By: B. Wachholz 1/8/2020
Checked By: L. Hoerning 1/9/2020
Updated By: A. Stehn 2/3/2020

Footnotes:
1. The total gallons treated and VOCs removed by the GETS prior to 2019 are included in the 2018 Annual Report and reports referenced therein (TRC, March 2019).
2. The average discharge flow rate calculations noted take into account system down time and are based on volume of groundwater extracted and time elapsed between monitoring events.
3. Analytical laboratory reports for sampling completed between January and June 2019 are included in Attachment 4 of the January to June 2019 Semi-annual Report (TRC, August 2019).
4. Compliance sampling starting in 2019 is completed on a quarterly basis, prior to 2019 sampling was completed on a monthly basis. For weeks where samples were not collected the previously obtained sampling data was used for cumulative VOCs calculations.
5. The extraction and transfer pumps for the GETS contain variable speed frequency drives that fluctuate based on liquid levels in the equalization and mixing tank along with the air stripper liquid level. At times the flow will fluctuate and readings collected over a few days time may reflect bias results for the overall system operation.
6. The soil vapor extraction system was temporarily shutdown on October 25, 2018 for evaluation purposes. Based on the shutdown, the GETS operation flow rate was adjusted to 40 GPM.

Table 2: GETS WPDES Compliance Sample Results - January - December 2019
Madison-Kipp Corporation Site
201 Waubesa Street, Madison, Wisconsin

Parameter[3]	Permit Discharge Limits	Unit	Location Sample Date							
			Influent 3/6/2019	Effluent 3/6/2019	Influent 6/7/2019	Effluent 6/7/2019	Influent 9/6/2019	Effluent 9/6/2019	Influent 12/9/2019	Effluent 12/9/2019
Miscellaneous										
Total Suspended Solids	40	mg/L	--	--	<1.9	<1.9	--	--	<0.95	<0.95
VOCs										
1,1,1-Trichloroethane	50	µg/L	<0.76	<0.38	<0.38	<0.38	<1.9	<0.38	<4.9	<0.24
1,1,2,2-Tetrachloroethane	50	µg/L	<0.80	<0.40	<0.40	<0.40	<2.0	<0.40	<5.5	<0.28
1,1,2-Trichloroethane	50	µg/L	<0.70	<0.35	<0.35	<0.35	<1.8	<0.35	<11.0	<0.55
1,1-Dichloroethene	50	µg/L	<0.78	<0.39	<0.39	<0.39	<2.0	<0.39	<4.9	<0.24
1,2-Dichloroethane	180	µg/L	<0.78	<0.39	<0.39	<0.39	<2.0	<0.39	<5.6	<0.28
Benzene	50	µg/L	<0.29	<0.15	0.21 J	<0.15	<0.73	<0.15	<4.9	<0.25
Bromodichloromethane	120	µg/L	<0.74	<0.37	<0.37	<0.37	<1.9	<0.37	<7.3	<0.36
Bromoform	120	µg/L	<0.89	<0.45	<0.45	<0.45	<2.2	<0.45	<79.4	<4.0
Bromomethane	NE	µg/L	<1.3	<0.65	<0.65	<0.65	<3.2	<0.65	<19.4	<0.97
Carbon Tetrachloride	150	µg/L	<0.77	<0.38	<0.38	<0.38	<1.9	<0.38	<3.3	<0.17
cis-1,2-Dichloroethene	NE	µg/L	--	--	--	--	--	--	--	--
Chloromethane	NE	µg/L	<0.64	<0.32	<0.32	<0.32	<1.6	<0.32	<43.8	<2.2
Ethylbenzene	NE	µg/L	<0.37	<0.18	<0.18	<0.18	<0.92	<0.18	<4.4	<0.22
Tetrachloroethene	50	µg/L	1600	14	1600	11	1300	11	1250 M1	13.1
Toluene	NE	µg/L	<0.30	<0.15	<0.15	0.16 J	<0.76	<0.15	<3.4	<0.17
Total Xylenes	NE	µg/L	<0.80	<0.40	<0.40	<0.40	<2.0	<0.40	<30.0	<1.5
trans-1,2-Dichloroethene	NE	µg/L	--	--	--	--	--	--	--	--
Trichloroethene	50	µg/L	190	3.7	260	2.7	150	2.5	119 M1	2.6
Vinyl chloride	10	µg/L	<0.41	<0.20	3.0	<0.20	<1.0	<0.20	<3.5	<0.17
Total BTEX[1]	750	µg/L	<0.80	<0.40	0.21 J	0.16 J	<2.0	<0.40	<30.0	<1.5
Total VOCs (includes BTEX)	NE	µg/L	1790	17.7	1863.2	13.9	1450	13.5	1369	15.7
PAHs										
Benzo(a)anthracene	NE	µg/L	<0.024	<0.024	<0.026 H	<0.026 H	<0.024	<0.023	<0.0068	<0.0068
Benzo(a)pyrene	0.1	µg/L	<0.024	<0.024	<0.026 H	<0.026 H	<0.024	<0.023	<0.0095	<0.0095
Benzo(b)fluoranthene	NE	µg/L	<0.024	<0.024	<0.026 H	<0.026 H	<0.024	<0.023	<0.0052	<0.0052
Benzo(g,h,i)perylene	NE	µg/L	<0.048	<0.049	<0.052 H	<0.051 H	<0.048	<0.047	<0.0061	<0.0061
Benzo(k)fluoranthene	NE	µg/L	<0.048	<0.049	<0.052 H	<0.051 H	<0.048	<0.047	<0.0068	<0.0068
Chrysene	NE	µg/L	<0.048	<0.049	<0.052 H	<0.051 H	<0.048	<0.047	<0.012	<0.012
Dibenzo(a,h)anthracene	NE	µg/L	<0.024	<0.024	<0.026 H	<0.026 H	<0.024	<0.023	<0.0090	<0.0090
Fluoranthene	NE	µg/L	<0.048	<0.049	<0.052 H	<0.051 H	<0.048	<0.047	<0.0096	<0.0096
Indeno(1,2,3-cd)pyrene	NE	µg/L	<0.024	<0.024	<0.026 H	<0.026 H	<0.024	<0.023	<0.016	<0.016
Naphthalene	70	µg/L	<0.048	<0.049	<0.052 H	0.095 J H B	<0.048	<0.047	<0.017	<0.017
Phenanthrene	NE	µg/L	<0.048	<0.049	0.14 H B	0.19 H B	0.095 B	0.12 B	<0.012	<0.012
Pyrene	NE	µg/L	<0.048	<0.049	<0.052 H	<0.051 H	<0.048	<0.047	<0.0069	<0.0069
PAHs Group of 10 Total[2]	0.1	µg/L	<0.048	<0.049	0.00014	0.00019	0.000095	0.00012	<0.016	<0.016

Notes:

Updated by: B. Wachholz 12/19/2019

Checked by: L. Hoerning 12/31/2019

< = Less than

µg/L = Micrograms per liter

mg/L = Milligrams per liter

B = Compound was found in the blank and in the sample.

J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.

H = Sample was prepped or analyzed beyond the specified holding time.

F1 = MS and/or MSD Recovery is outside acceptance limits.

* = ISTD response or retention time outside of acceptable limits.

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

ND = Not Detected

NE = Not Established

-- = Not analyzed

PAHs = Polynuclear Aromatic Hydrocarbons

VOCs = Volatile Organic Compounds

TSS = Total Suspended Solids

Footnotes:

(1) Total BTEX is the sum of the benzene, toluene, ethylbenzene and xylene concentrations. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the BTEX compounds was noted.

(2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. If all compounds were below their corresponding laboratory detection limits, then the highest detection limit of the PAH group compounds was noted.

(3) Following WDNR approval, compliance monitoring parameters and frequency were adjusted in 2019. VOCs and PAHs are monitored on a quarterly basis and TSS is monitored on a periodic basis based on system cleaning.

Table 3: Combined SVE and GETS Gas Analytical Data - January 2016 - December 2019
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Sample Date	1/18/2016		2/8/2016		3/7/2016		4/6/2016		5/4/2016		6/7/2016		7/20/2016		8/8/2016		9/9/2016		10/10/2016		11/7/2016		12/7/2016	
Sample Location	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**
Vinyl Chloride	<7.2	**1.9**	<3.7	<2.2	<2.2	**2.2**	<16	**3.4**	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0
1,1-Dichloroethene	<7.2	<1.6	<3.7	<2.2	<2.2	<1.3	<16	**1.8**	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0
cis-1,2-Dichloroethene	**640**	**220**	**220**	**130**	**150**	**460**	**480**	**360**	**530**	**430**	**440**	**450**	**530**	**1900**	**600**	**1100**	**350**	**1300**	**230**	**160**	**570**	**710**	**640**	**500**
Benzene	<7.2	**1.8**	<3.7	<2.2	<2.2	<1.3	<16	<1.3	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0
Trichloroethene	**370**	**20**	**130**	**23**	**78**	**13**	**400**	**15**	**340**	**16**	**400**	**17**	**440**	**48**	**550**	**39**	**390**	**32**	**130**	**35**	**470**	**110**	**460**	**130**
Toluene	<7.2	<1.6	**25**	<2.2	<2.2	<1.3	<16	**3**	<14	<2.0	<16	**18**	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	**4.0**	**13**	**6.5**	<5.7	**3.5**
Tetrachloroethene	**2400**	**340**	**1100**	**340**	**690**	**140**	**4100**	**200**	**3100**	**180**	**3700**	**180**	**3500**	**130**	**3900**	**160**	**2000**	**140**	**1000**	**350**	**3100**	**150**	**1800**	**230**
Ethyl Benzene	<7.2	<1.6	<3.7	<2.2	<2.2	<1.3	<16	**15**	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0
m,p-Xylene	<7.2	<1.6	<3.7	<2.2	<2.2	<1.3	**28**	**72**	<14	**2.2**	<16	**2.4**	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	**1.8**	<12	**6.8**	<5.7	**2.0 J**
o-Xylene	<7.2	<1.6	<3.7	<2.2	<2.2	<1.3	<16	**32**	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0
1,3,5-Trimethylbenzene	<7.2	<1.6	<3.7	<2.2	**8.9**	<1.3	<16	**3.8**	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0
1,2,4-Trimethylbenzene	<7.2	<1.6	<3.7	<2.2	**42**	**7.8**	<16	**9.1**	<14	<2.0	<16	<2.2	<20	<7.8	<16	<3.3	<7.2	<5.2	<2.7	<1.3	<12	<2.4	<5.7	<2.0

Notes:

All concentrations in this table are reported in ppbv unless otherwise noted.

All samples were analyzed using Method TO-15 and the analytes shown in the table are from the VOC analyte list. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.

< = Constituent not detected above noted laboratory method detection limit.

The SVE system was shut down in October 2018 for evaluation purposes. Results summarized between November 2018 and December 2019 are representative of the GETS gas concentrations only.

Bold = Constituent detected above laboratory detection limit.

SVE = soil vapor extraction

GETS = groundwater extraction and treatment system

ppbv = parts per billon by volume

VOCs = volatile organic compounds

Table 3: Combined SVE and GETS Gas Analytical Data - January 2016 - December 2019
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Sample Date	1/17/2017		2/8/2017		3/7/2017		4/6/2017		5/5/2017		6/7/2017		7/11/2017		8/7/2017		9/14/2017		10/5/2017		11/30/2017		12/8/2017	
Sample Location	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**
Vinyl Chloride	<11	**3.8**	<23	**2.8**	<6.0	**3.3**	<8.4	**2.9**	<2.5	<2.4	<13	**3.0**	<10	**2.9**	<12	**4.5**	<15	**5.3**	<4.7	**6.8**	**7.0**	**3.9**	**10**	**8.5**
1,1-Dichloroethene	<11	<1.7	<23	<1.1	<6.0	<1.6	<8.4	<1.2	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6
cis-1,2-Dichloroethene	**1100**	**670**	**1100**	**460**	**700**	**510**	**680**	**500**	**260**	**420**	**610**	**240**	**870**	**770**	**730**	**470**	**440**	**450**	**280**	**720**	**430**	**110**	**720**	**270**
Benzene	<11	<1.7	<23	<1.1	<6.0	<1.6	<8.4	<1.2	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6
Trichloroethene	**880**	**300**	**1000**	**340**	**440**	**210**	**420**	**410**	**240**	**400**	**520**	**200**	**530**	**430**	**570**	**700**	**490**	**1500**	**270**	**1000**	**380**	**360**	**540**	**750**
Toluene	<11	**14**	<23	**3.9**	<6.0	**8.8**	<8.4	**6.6**	**4.5**	**5.9**	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	**17**	<1.2	<6.4	<2.6
Tetrachloroethene	**3200**	**210**	**5300**	**300**	**1400**	**280**	**2200**	**140**	**810**	**230**	**2500**	**240**	**2300**	**280**	**2700**	**260**	**2900**	**230**	**1300**	**200**	**1600**	**360**	**2400**	**730**
Ethyl Benzene	<11	<1.7	<23	<1.1	<6.0	<1.6	<8.4	<1.2	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6
m,p-Xylene	<11	**2.4**	<23	**2.2**	<6.0	**4.2**	<8.4	**2.2**	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6
o-Xylene	<11	<1.7	<23	<1.1	<6.0	<1.6	<8.4	<1.2	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6
1,3,5-Trimethylbenzene	<11	<1.7	<23	<1.1	<6.0	<1.6	<8.4	<1.2	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6
1,2,4-Trimethylbenzene	<11	<1.7	<23	<1.1	<6.0	<1.6	<8.4	<1.2	<2.5	<2.4	<13	<1.6	<10	<2.7	<12	<4.2	<15	<4.6	<4.7	<2.6	<5.4	<1.2	<6.4	<2.6

Notes:

All concentrations in this table are reported in ppbv unless otherwise noted.

All samples were analyzed using Method TO-15 and the analytes shown in the table are from the VOC analyte list. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.

< = Constituent not detected above noted laboratory method detection limit.

The SVE system was shut down in October 2018 for evaluation purposes. Results summarized between November 2018 and December 2019 are representative of the GETS gas concentrations only.

Bold = Constituent detected above laboratory detection limit.

SVE = Soil vapor extraction

GETS = Groundwater extraction and treatment system

ppbv = parts per billon by volume

VOCs = Volatile Organic Compounds

Table 3: Combined SVE and GETS Gas Analytical Data - January 2016 - December 2019
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Sample Date	1/8/2018		2/6/2018		3/8/2018		4/3/2018		5/8/2018		6/6/2018		7/9/2018		8/20/2018		9/4/2018		10/8/2018		11/5/2018		12/10/2018		6/7/2019		12/9/2019	
Sample Location	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**	**Influent**	**Effluent**
Vinyl Chloride	**23**	**20**	**10**	**11**	**10**	**4.3**	**8.8**	**9.2**	**7.2**	**7.5**	**8.4**	**8.1**	**8.5**	**8.6**	**7.3**	<2.6	**12**	<3.4	**14**	**11**	**17**	**15**	**12**	**12**	**16**	**9.7**	**10**	**11**
1,1-Dichloroethene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	<2.2	<2.1
cis-1,2-Dichloroethene	**700**	**740**	**600**	**240**	**780**	**200**	**670**	**430**	**600**	**1100**	**590**	**170**	**630**	**350**	**860**	**450**	**1200**	**850**	**650**	**360**	**920**	**430**	**910**	**530**	**1500**	**420**	**890**	**530**
Benzene	<6.2	<6.7	<2.7	**1.7**	<4.8	**2.4**	<6.5	<2.8	<2.8	<3.1	<3.4	**1.5**	<6.8	<2.8	<4.1	<2.6	<3.3	**4.5**	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	<2.2	<2.1
Trichloroethene	**440**	**440**	**370**	**74**	**440**	**66**	**470**	**120**	**400**	**240**	**330**	**220**	**500**	**360**	**340**	**290**	**530**	**740**	**420**	**320**	**540**	**250**	**610**	**220**	**660**	**75**	**350**	**430**
Toluene	<6.2	<6.7	<2.7	<1.2	<4.8	**1.9**	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	**1.4**	**2.6**	<2.1
Tetrachloroethene	**1400**	**1600**	**860**	**440**	**1100**	**220**	**1700**	**610**	**1100**	**820**	**990**	**500**	**1600**	**640**	**520**	**380**	**880**	**1400**	**1300**	**880**	**1400**	**680**	**3500**	**1600**	**1700**	**200**	**810**	**230**
Ethyl Benzene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	<2.2	<2.1
m,p-Xylene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	**1.4**	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	**2.3**	<2.1
o-Xylene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	<2.2	<2.1
1,3,5-Trimethylbenzene	<6.2	<6.7	<2.7	<1.2	<4.8	<1.2	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	<2.2	<2.1
1,2,4-Trimethylbenzene	<6.2	<6.7	<2.7	<1.2	<4.8	**1.3**	<6.5	<2.8	<2.8	<3.1	<3.4	<1.4	<6.8	<2.8	<4.1	<2.6	<3.3	<3.4	<8.3	<3.1	<5.5	<3.1	<9.4	<5.1	<6.6	<1.2	<2.2	<2.1

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

All concentrations in this table are reported in ppbv unless otherwise noted.
All samples were analyzed using Method TO-15 and the analytes shown in the table are from the VOC analyte list. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.
< = Constituent not detected above noted laboratory method detection limit.
The SVE system was shut down in October 2018 for evaluation purposes. Results summarized between November 2018 and December 2019 are representative of the GETS gas concentrations only.
Bold = Constituent detected above laboratory detection limit.
SVE = Soil vapor extraction
GETS = Groundwater extraction and treatment system
ppbv = parts per billon by volume
VOCs = Volatile Organic Compounds

Table 4: Estimate of GAC Effluent Emissions - Total Volatile Organic Compounds
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	Total VOC Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Emission Rate[5] lb/hr
1/18/2016	3500	389.4	5.2E-03
2/8/2016	3300	362.2	4.5E-03
3/7/2016	3100	364.1	4.2E-03
4/6/2016	3700	363.8	5.0E-03
5/4/2016	3300	361.0	4.5E-03
6/7/2016	3500	354.9	4.7E-03
7/20/2016	9900	359.6	1.3E-02
8/8/2016	6400	354.1	8.5E-03
9/9/2016	7100	346.9	9.2E-03
10/10/2016	3500	361.1	4.7E-03
11/7/2016	4900	357.8	6.5E-03
12/7/2016	4600	366.9	6.3E-03
1/17/2017	6000	376.7	8.4E-03
2/8/2017	5800	375.3	8.2E-03
3/7/2017	5400	355.8	7.2E-03
4/6/2017	5400	352.6	7.1E-03
5/5/2017	5800	353.8	7.7E-03
6/7/2017	3900	358.1	5.3E-03
7/11/2017	7700	346.0	9.9E-03
8/7/2017	8100	355.8	1.1E-02
9/14/2017	12200	368.0	1.7E-02
10/5/2017	10300	367.5	1.4E-02
11/30/2017	5000	375.2	7.1E-03
12/8/2017	10600	384.0	1.5E-02
1/8/2018	17400	390.1	2.5E-02
2/6/2018	4600	395.0	6.8E-03
3/8/2018	2900	381.9	4.1E-03
4/3/2018	7000	367.9	9.6E-03
5/8/2018	11700	349.6	1.5E-02
6/6/2018	5500	347.8	7.2E-03
7/9/2018	8300	345.2	1.1E-02
8/20/2018	6400	352.2	8.5E-03
9/4/2018	17200	336.8	2.2E-02
10/8/2018	9700	355.9	1.3E-02
11/5/2018	3300	194.6	2.4E-03
12/10/2018	15200	230.1	1.3E-02
6/7/2019	3700	188.5	2.6E-03
12/9/2019	6400	183.9	4.4E-03
		Average Emission Rate[6] =	**8.9E-03**
		NR 406 Emission Threshold =	**5.7**

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

VOCs = volatile organic compounds
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Footnotes:

1. The total VOC concentration noted between January 2016 and October 2018, represents results from the effluent sample collected post treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the total VOC concentration reported following is representative of the effluent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. Total VOC concentrations noted were calculated based on analytes reported above and below the method reporting limit. For detected analytes, the reported concentrations were used. For all other analytes detected below the method reporting limit, half of the reporting limit was used.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018 the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Emission rates were calculated based on the product of the total VOC concentration and the system flow rate at the time of monitoring.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 5: Estimate of GAC Effluent Gas Emissions for Tetrachloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	Total PCE Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Emission Rate[5] lb/hr
1/18/2016	2300	389.4	3.4E-03
2/8/2016	2300	362.2	3.1E-03
3/7/2016	980	364.1	1.3E-03
4/6/2016	1400	363.8	1.9E-03
5/4/2016	1200	361.0	1.6E-03
6/7/2016	1200	354.9	1.6E-03
7/20/2016	890	359.6	1.2E-03
8/8/2016	1100	354.1	1.5E-03
9/9/2016	950	346.9	1.2E-03
10/10/2016	2400	361.1	3.2E-03
11/7/2016	1000	357.8	1.3E-03
12/7/2016	1500	366.9	2.1E-03
1/17/2017	1400	376.7	2.0E-03
2/8/2017	2000	375.3	2.8E-03
3/7/2017	1900	355.8	2.5E-03
4/6/2017	930	352.6	1.2E-03
5/5/2017	1600	353.8	2.1E-03
6/7/2017	1600	358.1	2.1E-03
7/11/2017	1900	346.0	2.5E-03
8/7/2017	1800	355.8	2.4E-03
9/14/2017	1600	368.0	2.2E-03
10/5/2017	1400	367.5	1.9E-03
11/30/2017	2400	375.2	3.4E-03
12/8/2017	5000	384.0	7.2E-03
1/8/2018	11000	390.1	1.6E-02
2/6/2018	3000	395.0	4.4E-03
3/8/2018	1500	381.9	2.1E-03
4/3/2018	4100	367.9	5.6E-03
5/8/2018	5500	349.6	7.2E-03
6/6/2018	3400	347.8	4.4E-03
7/9/2018	4400	345.2	5.7E-03
8/20/2018	2600	352.2	3.4E-03
9/4/2018	9200	336.8	1.2E-02
10/8/2018	6000	355.9	8.0E-03
11/5/2018	4600	194.6	3.4E-03
12/10/2018	11000	230.1	9.5E-03
6/7/2019	1400	188.5	9.9E-04
12/9/2019	1600	183.9	1.1E-03
		Average Emission Rate[6] =	**4.8E-03**
		NR 445 Emission Threshold =	**35.4**

Notes:

PCE = tetrachloroethene

SVE = soil vapor extraction

GETS = groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Updated by: B. Wachholz 12/30/2019

Checked by: L. Hoerning 12/31/2019

Footnotes:

1. The PCE concentration noted between January 2016 and October 2018, represents results from the effluent sample collected post treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the PCE concentration reported following is representative of the effluent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The PCE concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Emission rates were calculated based on the product of the PCEconcentration and the system flow rate at the time of monitoring.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 6: Estimate of GAC Effluent Gas Emissions for Trichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	TCE Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Emission Rate[5] lb/hr
1/18/2016	110	389.4	1.6E-04
2/8/2016	120	362.2	1.6E-04
3/7/2016	71	364.1	9.7E-05
4/6/2016	81	363.8	1.1E-04
5/4/2016	85	361.0	1.1E-04
6/7/2016	91	354.9	1.2E-04
7/20/2016	260	359.6	3.5E-04
8/8/2016	210	354.1	2.8E-04
9/9/2016	170	346.9	2.2E-04
10/10/2016	190	361.1	2.6E-04
11/7/2016	600	357.8	8.0E-04
12/7/2016	700	366.9	9.6E-04
1/17/2017	1600	376.7	2.3E-03
2/8/2017	1800	375.3	2.5E-03
3/7/2017	1200	355.8	1.6E-03
4/6/2017	2200	352.6	2.9E-03
5/5/2017	2100	353.8	2.8E-03
6/7/2017	1100	358.1	1.5E-03
7/11/2017	2300	346.0	3.0E-03
8/7/2017	3700	355.8	4.9E-03
9/14/2017	8000	368.0	1.1E-02
10/5/2017	5500	367.5	7.6E-03
11/30/2017	2000	375.2	2.8E-03
12/8/2017	4000	384.0	5.8E-03
1/8/2018	2300	390.1	3.4E-03
2/6/2018	400	395.0	5.9E-04
3/8/2018	350	381.9	5.0E-04
4/3/2018	660	367.9	9.1E-04
5/8/2018	1300	349.6	1.7E-03
6/6/2018	1200	347.8	1.6E-03
7/9/2018	2000	345.2	2.6E-03
8/20/2018	1600	352.2	2.1E-03
9/4/2018	4000	336.8	5.0E-03
10/8/2018	1700	355.9	2.3E-03
11/5/2018	1300	194.6	9.5E-04
12/10/2018	1200	230.1	1.0E-03
6/7/2019	400	188.5	2.8E-04
12/9/2019	2300	183.9	1.6E-03
		Average Emission Rate[6] =	**2.0E-03**
		NR 445 Emission Threshold =	**56.1**

Notes:

Updated by: B. Wachholz 12/30/2019

Checked by: L. Hoerning 12/31/2019

TCE = trichloroethene

SVE = soil vapor extraction

GETS = groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m^3 = micrograms per cubic meters

lb/hr = pounds per hour

Footnotes:

1. The TCE concentration noted between January 2016 and October 2018, represents results from the effluent sample collected post treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the TCE concentration reported following is representative of the effluent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The TCE concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Emission rates were calculated based on the product of the TCEconcentration and the system flow rate at the time of monitoring.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 7: Estimate of GAC Effluent Gas Emissions for cis-1,2-Dichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	cis-1,2-DCE Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Emission Rate[5] lb/hr
1/18/2016	860	389.4	1.3E-03
2/8/2016	530	362.2	7.2E-04
3/7/2016	1800	364.1	2.5E-03
4/6/2016	1400	363.8	1.9E-03
5/4/2016	1700	361.0	2.3E-03
6/7/2016	1800	354.9	2.4E-03
7/20/2016	7400	359.6	1.0E-02
8/8/2016	4500	354.1	6.0E-03
9/9/2016	5100	346.9	6.6E-03
10/10/2016	620	361.1	8.4E-04
11/7/2016	2800	357.8	3.8E-03
12/7/2016	2000	366.9	2.7E-03
1/17/2017	2600	376.7	3.7E-03
2/8/2017	1800	375.3	2.5E-03
3/7/2017	2000	355.8	2.7E-03
4/6/2017	2000	352.6	2.6E-03
5/5/2017	1700	353.8	2.3E-03
6/7/2017	960	358.1	1.3E-03
7/11/2017	3000	346.0	3.9E-03
8/7/2017	1900	355.8	2.5E-03
9/14/2017	1800	368.0	2.5E-03
10/5/2017	2900	367.5	4.0E-03
11/30/2017	420	375.2	5.9E-04
12/8/2017	1100	384.0	1.6E-03
1/8/2018	2900	390.1	4.2E-03
2/6/2018	950	395.0	1.4E-03
3/8/2018	780	381.9	1.1E-03
4/3/2018	1700	367.9	2.3E-03
5/8/2018	4300	349.6	5.6E-03
6/6/2018	680	347.8	8.9E-04
7/9/2018	1400	345.2	1.8E-03
8/20/2018	1800	352.2	2.4E-03
9/4/2018	3400	336.8	4.3E-03
10/8/2018	1400	355.9	1.9E-03
11/5/2018	1700	194.6	1.2E-03
12/10/2018	2100	230.1	1.8E-03
6/7/2019	1700	188.5	1.2E-03
12/9/2019	2100	183.9	1.4E-03
		Average Emission Rate[6] =	**2.3E-03**
		NR 445 Emission Threshold =	**166**

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

cis-1,2-DCE = cis-1,2-dichloroethene
SVE = soil vapor extraction
GETS = Groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Footnotes:

1. The cis-1,2-DCE concentration noted between January 2016 and October 2018, represents results from the effluent sample collected post treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the cis-1,2-DCE concentration reported following is representative of the effluent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The cis-1,2-DCE concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Emission rates were calculated based on the product of the cis-1,2-DCEconcentration and the system flow rate at the time of monitoring.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 8: Estimate of GAC Effluent Gas Emissions for Vinyl Chloride
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	Vinyl Chloride Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Emission Rate[5] lb/hr	Emission Rate[5] lb/yr
1/18/2016	5.0	389.4	7.3E-06	6.4E-02
2/8/2016	2.9	362.2	3.9E-06	3.4E-02
3/7/2016	5.7	364.1	7.8E-06	6.8E-02
4/6/2016	8.8	363.8	1.2E-05	1.1E-01
5/4/2016	2.6	361	3.5E-06	3.1E-02
6/7/2016	2.85	354.9	3.79E-06	3.32E-02
7/20/2016	10.0	359.6	1.35E-05	1.18E-01
8/8/2016	4.20	354.1	5.57E-06	4.88E-02
9/9/2016	6.50	346.9	8.45E-06	7.40E-02
10/10/2016	1.65	361.1	2.23E-06	1.95E-02
11/7/2016	3.05	357.8	4.09E-06	3.58E-02
12/7/2016	2.6	366.9	3.57E-06	3.13E-02
1/17/2017	9.8	376.7	1.38E-05	1.21E-01
2/8/2017	7.2	375.3	1.01E-05	8.87E-02
3/7/2017	8.4	355.8	1.12E-05	9.81E-02
4/6/2017	7.3	352.6	9.64E-06	8.45E-02
5/5/2017	3.1	353.8	4.11E-06	3.60E-02
6/7/2017	7.6	358.1	1.02E-05	8.93E-02
7/11/2017	7.5	346.0	9.72E-06	8.51E-02
8/7/2017	11	355.8	1.47E-05	1.28E-01
9/14/2017	13	368.0	1.79E-05	1.57E-01
10/5/2017	17	367.5	2.34E-05	2.05E-01
11/30/2017	10	375.2	1.41E-05	1.23E-01
12/8/2017	22	384.0	3.16E-05	2.77E-01
1/8/2018	51	390.1	7.45E-05	6.53E-01
2/6/2018	28	395.0	4.14E-05	3.63E-01
3/8/2018	11	381.9	1.57E-05	1.38E-01
4/3/2018	24	367.9	3.31E-05	2.90E-01
5/8/2018	19	349.6	2.49E-05	2.18E-01
6/6/2018	21	347.8	2.74E-05	2.40E-01
7/9/2018	22	345.2	2.84E-05	2.49E-01
8/20/2018	3.3	352.2	4.35E-06	3.81E-02
9/4/2018	4.3	336.8	5.42E-06	4.75E-02
10/8/2018	29	355.9	3.87E-05	3.39E-01
11/5/2018	38	194.6	2.77E-05	2.43E-01
12/10/2018	29	230.1	2.50E-05	2.19E-01
6/7/2019	25	188.5	1.77E-05	1.55E-01
12/9/2019	27	183.9	1.86E-05	1.63E-01
			Average Emission Rate[6] =	**1.4E-01**
			NR 445 Emission Threshold =	**830**

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

VC = vinyl chloride
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system.
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour
lb/yr = pounds per year

Footnotes:

1. The VC concentration noted between January 2016 and October 2018, represents results from the effluent sample collected post treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the VC concentration reported following is representative of the effluent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The VC concentration reported in the effluent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Emission rates were calculated based on the product of the VC concentration and the system flow rate at the time of monitoring.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 9: Estimate of GAC Influent Gas Rate - Total Volatile Organic Compounds
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	Concentration[1][2] µg/m^3	Total VOC Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Gas Rate[5] lb/hr
1/18/2016	21688	21700	389.4	3.2E-02
2/8/2016	9590.2	9600	362.2	1.3E-02
3/7/2016	6327.75	6300	364.1	8.6E-03
4/6/2016	34768.5	34800	363.8	4.7E-02
5/4/2016	27283.5	27300	361.0	3.7E-02
6/7/2016	31679.5	31700	354.9	4.2E-02
7/20/2016	32026.5	32000	359.6	4.3E-02
8/8/2016	34165.5	34200	354.1	4.5E-02
9/9/2016	17732.5	17700	346.9	2.3E-02
10/10/2016	9083.15	9100	361.1	1.2E-02
11/7/2016	27897.5	27900	357.8	3.7E-02
12/7/2016	17979	18000	366.9	2.5E-02
1/17/2017	33099.5	33100	376.7	4.7E-02
2/8/2017	50290.5	50300	375.3	7.1E-02
3/7/2017	15430.5	15400	355.8	2.1E-02
4/6/2017	21432.5	21400	352.6	2.8E-02
5/5/2017	8245.75	8200	353.8	1.1E-02
6/7/2017	24419.5	24400	358.1	3.3E-02
7/11/2017	23952.5	24000	346.0	3.1E-02
8/7/2017	26135.5	26100	355.8	3.5E-02
9/14/2017	26950	27000	368.0	3.7E-02
10/5/2017	12402.5	12400	367.5	1.7E-02
11/30/2017	15798.5	15800	375.2	2.2E-02
12/8/2017	22923	22900	384.0	3.3E-02
1/8/2018	16112	16100	390.1	2.4E-02
2/6/2018	10785.8	10800	395.0	1.6E-02
3/8/2018	13752.50	13800	381.9	2.0E-02
4/3/2018	17324	17300	367.9	2.4E-02
5/8/2018	12698.5	12700	349.6	1.7E-02
6/6/2018	11400.5	11400	347.8	1.5E-02
7/9/2018	17381.5	17400	345.2	2.2E-02
8/20/2018	9509.5	9500	352.2	1.3E-02
9/4/2018	13991	14000	336.8	1.8E-02
10/8/2018	15151.5	15200	355.9	2.0E-02
11/5/2018	16773	16800	194.6	1.2E-02
12/10/2018	32531.5	32500	230.1	2.8E-02
6/7/2019	22655.5	22700	188.5	1.6E-02
12/9/2019	11314.95	11300	191.2	8.1E-03
			Average Emission Rate[6] =	**2.6E-02**
			NR 406 Emission Threshold =	**5.7**

Notes:

VOCs = volatile organic compounds
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

Footnotes:

1. The total VOC concentration noted between January 2016 and October 2018, represents results from the influent sample collected pre-treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the total VOC concentration reported following is representative of the influent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. Total VOC concentrations noted were calculated based on analytes reported above and below the method reporting limit. For detected analytes, the reported concentrations were used. For all other analytes detected below the method reporting limit, half of the reporting limit was used.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Influent gas rates were calculated based on the product of the reported analytical concentration and the system flow rate during each monitoring event.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 10: Estimate of GAC Influent Gas Rate for Tetrachloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	Total PCE Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Gas Rate[5] lb/hr
1/18/2016	16000	389.4	2.3E-02
2/8/2016	7300	362.2	9.9E-03
3/7/2016	4700	364.1	6.4E-03
4/6/2016	28000	363.8	3.8E-02
5/4/2016	21000	361.0	2.8E-02
6/7/2016	25000	354.9	3.3E-02
7/20/2016	24000	359.6	3.2E-02
8/8/2016	26000	354.1	3.4E-02
9/9/2016	13000	346.9	1.7E-02
10/10/2016	7000	361.1	9.5E-03
11/7/2016	21000	357.8	2.8E-02
12/7/2016	12000	366.9	1.6E-02
1/17/2017	22000	376.7	3.1E-02
2/8/2017	36000	375.3	5.1E-02
3/7/2017	9300	355.8	1.2E-02
4/6/2017	15000	352.6	2.0E-02
5/5/2017	5500	353.8	7.3E-03
6/7/2017	17000	358.1	2.3E-02
7/11/2017	16000	346.0	2.1E-02
8/7/2017	18000	355.8	2.4E-02
9/14/2017	20000	368.0	2.8E-02
10/5/2017	9100	367.5	1.3E-02
11/30/2017	11000	375.2	1.5E-02
12/8/2017	16000	384.0	2.3E-02
1/8/2018	9800	390.1	1.4E-02
2/6/2018	5900	395.0	8.7E-03
3/8/2018	7400	381.9	1.1E-02
4/3/2018	11000	367.9	1.5E-02
5/8/2018	7600	349.6	1.0E-02
6/6/2018	6700	347.8	8.7E-03
7/9/2018	11000	345.2	1.4E-02
8/20/2018	3600	352.2	4.7E-03
9/4/2018	6000	336.8	7.6E-03
10/8/2018	8900	355.9	1.2E-02
11/5/2018	9300	194.6	6.8E-03
12/10/2018	24000	230.1	2.1E-02
6/7/2019	12000	188.5	8.5E-03
12/9/2019	5500	191.2	3.9E-03
		Average Emission Rate[6] =	**1.8E-02**
		NR 445 Emission Threshold =	**35.4**

Notes:

PCE = Tetrachloroethene
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

Footnotes:

1. The PCE concentration noted between January 2016 and October 2018, represents results from the influent sample collected pre-treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the PCE concentration reported following is representative of the influent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The PCE concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Influent gas rates were calculated based on the product of the reported analytical concentration and the system flow rate during each monitoring event.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 11: Estimate of GAC Influent Gas Rate for Trichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	TCE Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Gas Rate[5] lb/hr
1/18/2016	2000	389.4	2.9E-03
2/8/2016	710	362.2	9.6E-04
3/7/2016	420	364.1	5.7E-04
4/6/2016	2200	363.8	3.0E-03
5/4/2016	1800	361.0	2.4E-03
6/7/2016	2200	354.9	2.9E-03
7/20/2016	2400	359.6	3.2E-03
8/8/2016	3000	354.1	4.0E-03
9/9/2016	2100	346.9	2.7E-03
10/10/2016	720	361.1	9.7E-04
11/7/2016	2500	357.8	3.4E-03
12/7/2016	2400	366.9	3.3E-03
1/17/2017	4700	376.7	6.6E-03
2/8/2017	5700	375.3	8.0E-03
3/7/2017	2300	355.8	3.1E-03
4/6/2017	2300	352.6	3.0E-03
5/5/2017	1300	353.8	1.7E-03
6/7/2017	2800	358.1	3.8E-03
7/11/2017	2800	346.0	3.6E-03
8/7/2017	3100	355.8	4.1E-03
9/14/2017	2600	368.0	3.6E-03
10/5/2017	1400	367.5	1.9E-03
11/30/2017	2100	375.2	3.0E-03
12/8/2017	2900	384.0	4.2E-03
1/8/2018	2400	390.1	3.5E-03
2/6/2018	2000	395.0	3.0E-03
3/8/2018	2400	381.9	3.4E-03
4/3/2018	2500	367.9	3.4E-03
5/8/2018	2200	349.6	2.9E-03
6/6/2018	1800	347.8	2.3E-03
7/9/2018	2700	345.2	3.5E-03
8/20/2018	1800	352.2	2.4E-03
9/4/2018	2800	336.8	3.5E-03
10/8/2018	2200	355.9	2.9E-03
11/5/2018	2900	194.6	2.1E-03
12/10/2018	3300	230.1	2.8E-03
6/7/2019	3500	188.5	2.5E-03
12/9/2019	1900	191.2	1.4E-03
		Average Emission Rate[6] =	**3.1E-03**
		NR 445 Emission Threshold =	**56.1**

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

TCE = Trichloroethene
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Footnotes:

1. The TCE concentration noted between January 2016 and October 2018, represents results from the influent sample collected pre-treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the TCE concentration reported following is representative of the influent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The TCE concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Influent gas rates were calculated based on the product of the reported analytical concentration and the system flow rate during each monitoring event.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 12: Estimate of GAC Influent Gas Rate for cis-1,2-Dichloroethene
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date[3]	cis-1,2-DCE Concentration[1][2] µg/m^3	System Flow Rate[4] CFM	Gas Rate[5] lb/hr
1/18/2016	2500	389.4	3.6E-03
2/8/2016	880	362.2	1.2E-03
3/7/2016	610	364.1	8.3E-04
4/6/2016	1900	363.8	2.6E-03
5/4/2016	2100	361.0	2.8E-03
6/7/2016	1800	354.9	2.4E-03
7/20/2016	2100	359.6	2.8E-03
8/8/2016	2400	354.1	3.2E-03
9/9/2016	1400	346.9	1.8E-03
10/10/2016	910	361.1	1.2E-03
11/7/2016	2300	357.8	3.1E-03
12/7/2016	2600	366.9	3.6E-03
1/17/2016	4500	376.7	6.3E-03
2/8/2017	4600	375.3	6.5E-03
3/7/2017	2800	355.8	3.7E-03
4/6/2017	2700	352.6	3.6E-03
5/5/2017	1000	353.8	1.3E-03
6/7/2017	2400	358.1	3.2E-03
7/11/2017	3400	346.0	4.4E-03
8/7/2017	2900	355.8	3.9E-03
9/14/2017	1700	368.0	2.3E-03
10/5/2017	1100	367.5	1.5E-03
11/30/2017	1700	375.2	2.4E-03
12/8/2017	2900	384.0	4.2E-03
1/8/2018	2800	390.1	4.1E-03
2/6/2018	2400	395.0	3.6E-03
3/8/2018	3100	381.9	4.4E-03
4/3/2018	2700	367.9	3.7E-03
5/8/2018	2400	349.6	3.1E-03
6/6/2018	2300	347.8	3.0E-03
7/9/2018	2500	345.2	3.2E-03
8/20/2018	3400	352.2	4.5E-03
9/4/2018	4600	336.8	5.8E-03
10/8/2018	2600	355.9	3.5E-03
11/5/2018	3600	194.6	2.6E-03
12/10/2018	3600	230.1	3.1E-03
6/7/2019	6000	188.5	4.2E-03
12/9/2019	3500	191.2	2.5E-03
		Average Emission Rate[6] =	**2.7E-03**
		NR 445 Emission Threshold =	**166**

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

cis-1,2-DCE = cis-1,2-dichloroethene
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour

Footnotes:

1. The cis-1,2-DCE concentration noted between January 2016 and October 2018, represents results from the influent sample collected pre-treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the cis-1,2-DCE concentration reported following is representative of the influent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The cis-1,2-DCE concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Influent gas rates were calculated based on the product of the reported analytical concentration and the system flow rate during each monitoring event.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 13: Estimate of GAC Influent Gas Rate for Vinyl Chloride
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Date	Vinyl Chloride Concentration[1][2] µg/m^3	System Flow Rate[3] CFM	Gas Rate[4] lb/hr	Gas Rate[4] lb/yr
1/18/2016	9.0	389.4	1.3E-05	1.1E-01
2/8/2016	4.7	362.2	6.4E-06	5.6E-02
3/7/2016	2.8	364.1	3.8E-06	3.3E-02
4/6/2016	20.0	363.8	2.7E-05	2.4E-01
5/4/2016	18.0	361	2.4E-05	2.1E-01
6/7/2016	20.5	354.9	2.7E-05	2.39E-01
7/20/2016	26.0	359.6	3.5E-05	3.07E-01
8/8/2016	20.5	354.1	2.7E-05	2.38E-01
9/9/2016	9.0	346.9	1.2E-05	1.02E-01
10/10/2016	3.4	361.1	4.6E-06	4.03E-02
11/7/2016	15.5	357.8	2.1E-05	1.82E-01
12/7/2016	7.0	366.9	9.6E-06	8.43E-02
1/17/2016	14.0	376.7	2.0E-05	1.73E-01
2/8/2017	30.0	375.3	4.2E-05	3.69E-01
3/7/2017	7.5	355.8	1.0E-05	8.76E-02
4/6/2017	10.5	352.6	1.4E-05	1.21E-01
5/5/2017	3.2	353.8	4.2E-06	3.71E-02
6/7/2017	16.5	358.1	2.2E-05	1.94E-01
7/11/2017	13.0	346.0	1.7E-05	1.48E-01
8/7/2017	16.0	355.8	2.1E-05	1.87E-01
9/14/2017	19.5	368.0	2.7E-05	2.35E-01
10/5/2017	6.0	367.5	8.3E-06	7.24E-02
11/30/2017	18.0	375.2	2.5E-05	2.22E-01
12/8/2017	26.0	384.0	3.7E-05	3.28E-01
1/8/2018	58.0	390.1	8.5E-05	7.42E-01
2/6/2018	26.0	395.0	3.8E-05	3.37E-01
3/8/2018	26.0	381.9	3.7E-05	3.26E-01
4/3/2018	22	367.9	3.0E-05	2.66E-01
5/8/2018	18	349.6	2.4E-05	2.06E-01
6/6/2018	21	347.8	2.7E-05	2.40E-01
7/9/2018	22	345.2	2.8E-05	2.49E-01
8/20/2018	19	352.2	2.5E-05	2.20E-01
9/4/2018	32	336.8	4.0E-05	3.54E-01
10/8/2018	37	355.9	4.9E-05	4.32E-01
11/5/2018	44	194.6	3.2E-05	2.81E-01
12/10/2018	31	230.1	2.7E-05	2.34E-01
6/7/2019	41	188.5	2.9E-05	2.54E-01
12/9/2019	27	191.2	1.9E-05	1.69E-01
			Average Emission Rate[5] =	**2.2E-01**
			NR 445 Emission Threshold =	**830**

Notes:

Updated by: B. Wachholz 12/30/2019
Checked by: L. Hoerning 12/31/2019

VC = vinyl chloride
SVE = soil vapor extraction
GETS = groundwater extraction and treatment system
CFM = cubic feet per minute
µg/m^3 = micrograms per cubic meters
lb/hr = pounds per hour
lb/yr = pounds per year

Footnotes:

1. The VC concentration noted between January 2016 and October 2018, represents results from the influent sample collected pre-treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown for evaluation and the VC concentration reported following is representative of the influent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
2. The VC concentration reported in the influent sample was used for emission calculations. If the concentration was reported below the method reporting limit, half of the reporting limit was used for calculations.
3. The sampling frequency was adjusted in 2019 from monthly to semi-annually.
4. Between July 2015 and October 2018, the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown for evaluation in October 2018 and remained off through December 2019.
5. Influent gas rates were calculated based on the product of the reported analytical concentration and the system flow rate during each monitoring event.
6. Average Emission Rate is an average based on samples collected between January 2016 and December 2019.

Table 14: Groundwater Monitoring Plan - 2019
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Well/ Point ID	Bedrock Unit	Screened Interval (ft bgs)	April & October Gauging	April VOC Sampling	April PCB Sampling	October VOC Sampling	October PCB Sampling	Pump Type
GWE-1*	Lone Rock/ Wonewoc	55-175	x	x		x		NA
MW-1	Unconsolidated	14-24	x			x		Peristaltic
MW-2S	Unconsolidated	19-29	x					NA
MW-2D	Upper Lone Rock	39-44	x	x		x		Peristaltic
MW-3S	Unconsolidated	19-29	x			x		Peristaltic
MW-3D	Upper Lone Rock	48-53	x	x	x	x	x	Peristaltic
MW-3D2	Lower Lone Rock	76-81	x	x		x		Peristaltic
MW-3D3	Lower Wonewoc	214-224	x			x		GeoSub
MW-4S	Unconsolidated/ Upper Lone Rock	35-50	x		x		x	NA
MW-4D	Upper Lone Rock	65-70	x		x		x	NA
MW-4D2	Lower Lone Rock	91-96	x	x		x		Bladder
MW-5S	Upper Lone Rock	34-44	x		x	x	x	Peristaltic
MW-5D	Lower Lone Rock	75-80	x	x		x		Peristaltic
MW-5D2	Lower Wonewoc	166-171	x	x		x		Bladder
MW-5D3	Lower Wonewoc	225-235	x	x		x		GeoSub
MW-6S	Unconsolidated/ Upper Lone Rock	32-42	x		x	x	x	Bladder
MW-6D	Upper Lone Rock	66-71	x	x		x		Bladder
MW-7	Unconsolidated	25-35	x					NA
MW-8	Unconsolidated	24-34	x					NA
MW-9D	Upper Lone Rock	44-49	x			x		Peristaltic
MW-9D2	Lower Lone Rock	64-69	x	x		x		Peristaltic
MW-10S	Unconsolidated	11-21	x					NA
MW-11S	Unconsolidated	24-34	x		x		x	NA
MW-12S	Unconsolidated	3-13	x					NA
MW-17	Lower Wonewoc	160-170	x	x		x		Bladder
MW-18S	Unconsolidated	20-30	x					NA
MW-21D2	Upper/Lower Wonewoc	110-170	Well abandoned on October 24, 2018					
MW-22S	Unconsolidated	25-35	Well Abandoned on January 16, 2018					
MW-22D	Upper Lone Rock	45-50	Well Abandoned on January 16, 2018					
MW-23S	Unconsolidated	25-35	Well Abandoned on January 16, 2018					
MW-23D	Upper Lone Rock	45-50	Well Abandoned on January 16, 2018					
MW-24	Upper Lone Rock	30-40	x		x		x	NA
MW-25D	Upper Wonewoc	120-130	x			x		Bladder
MW-25D2	Upper Wonewoc	160-170	x	x		x		Bladder
MW-26S	Unconsolidated	6.8-16.8	x					NA
MW-27D	Upper Wonewoc	130-140	x	x		x		Bladder
MW-27D2	Lower Wonewoc	170-180	x			x		Bladder
MW-28	Unconsolidated	28-38	x		x	x	x	Peristaltic
MW-29S	Unconsolidated	24-34	x		x		x	Peristaltic
MW-29D	Upper Lone Rock	45-50	x		x		x	Bladder
MP-13 Port 1	Lower Wonewoc	163-167	x			x		Westbay
MP-13 Port 2	Upper Wonewoc	135-139	x			x		Westbay
MP-13 Port 3	Upper Wonewoc	121-125	x			x		Westbay
MP-13 Port 4	Upper Wonewoc	102-106	x			x		Westbay
MP-13 Port 5	Lower Lone Rock	81-85	x			x		Westbay
MP-13 Port 6	Lower Lone Rock	67-71	x			x		Westbay
MP-13 Port 7	Upper Lone Rock	44-48	x			x		Westbay
MP-14 Port 1	Lower Wonewoc	170-178	x			x		Westbay
MP-14 Port 2	Upper Wonewoc	135-140	x	x		x		Westbay
MP-14 Port 3	Upper Wonewoc	100-105	x			x		Westbay
MP-14 Port 4	Lower Lone Rock	70-75	x					NA

Table 14: Groundwater Monitoring Plan - 2019
Madison-Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Well/ Point ID	Bedrock Unit	Screened Interval (ft bgs)	April & October Gauging	April VOC Sampling	April PCB Sampling	October VOC Sampling	October PCB Sampling	Pump Type
MP-15 Port 1	Lower Wonewoc	177-187	x			x		Westbay
MP-15 Port 2	Lower Wonewoc	142-146	x			x		Westbay
MP-15 Port 3	Upper Wonewoc	120-125	x			x		Westbay
MP-15 Port 4	Upper Wonewoc	100-105	x			x		Westbay
MP-15 Port 5	Upper Wonewoc	88-92	x			x		Westbay
MP-16 Port 1	Lower Wonewoc	175-179	x			x		Westbay
MP-16 Port 2	Upper Wonewoc	140-144	x	x		x		Westbay
MP-16 Port 3	Upper Wonewoc	106-116	x			x		Westbay
MP-16 Port 4	Lower Lone Rock	80-84	x					NA
	Total Sample Points:		**55**	**15**	**10**	**40**	**10**	

Notes:

* = The GWE-1 influent sample results from the month of the sampling event will be used.

Table 15: Summary of Groundwater Elevations - October 7, 2019
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Well/Boring	Lithology	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Date	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)
MW-01	Unconsolidated	14-24	861.71	861.08	10/7/2019	7.46	853.62
MW-02D	Upper Lone Rock	39-44	866.50	868.74	10/7/2019	17.83	850.91
MW-02S	Unconsolidated	19-29	866.34	868.94	10/7/2019	17.40	851.54
MW-03D	Upper Lone Rock	48-53	867.68	867.25	10/7/2019	17.52	849.73
MW-03D2	Lower Lone Rock	76-81	867.58	867.39	10/7/2019	19.22	848.17
MW-03D3	Lower Wonewoc/Upper Eau Claire	214-224	867.61	867.35	10/7/2019	20.98	846.37
MW-03S	Unconsolidated	19-29	867.87	867.41	10/7/2019	16.75	850.66
MW-04D	Upper Lone Rock	65-70	881.18	880.38	10/7/2019	29.39	850.99
MW-04D2	Lower Lone Rock	91-96	880.36	880.20	10/7/2019	29.65	850.55
MW-04S	Unconsolidated/Upper Lone Rock	35-50	880.81	880.31	10/7/2019	27.41	852.90
MW-05D	Lower Lone Rock	75-80	872.58	872.10	10/7/2019	22.10	850.00
MW-05D2	Lower Wonewoc	165.8-170.8	872.59	872.20	10/7/2019	25.75	846.45
MW-05D3	Lower Wonewoc/Upper Eau Claire	225-235	872.34	871.89	10/7/2019	25.26	846.63
MW-05S	Upper Lone Rock	34-44	872.56	872.14	10/7/2019	21.69	850.45
MW-06D	Upper Lone Rock	65.5-70.5	877.11	876.69	10/7/2019	26.56	850.13
MW-06S	Unconsolidated/Upper Lone Rock	31.4-41.4	877.20	876.69	10/7/2019	26.17	850.52
MW-07	Unconsolidated	25-35	870.91	870.42	10/7/2019	19.12	851.30
MW-08	Unconsolidated	24-34	867.69	866.78	10/7/2019	15.10	851.68
MW-09D	Upper Lone Rock	44-49	855.80	855.47	10/7/2019	6.34	849.13
MW-09D2	Lower Lone Rock	64-69	855.89	855.48	10/7/2019	6.53	848.95
MW-10S	Unconsolidated	11-21	864.88	864.42	10/7/2019	13.00	851.42
MW-11S	Unconsolidated	24-34	874.10	873.47	10/7/2019	23.00	850.47
MW-12S	Unconsolidated	3-13	859.78	859.41	10/7/2019	2.13	857.28
MW-17	Lower Wonewoc	160-170	877.26	876.65	10/7/2019	30.19	846.46
MW-18S	Unconsolidated	20-30	867.89	867.24	10/7/2019	16.55	850.69
MW-19D	Lower Lone Rock	60-90	867.44	866.75	10/7/2019	18.40	848.35
MW-19D2	Upper Wonewoc	110-140	867.44	866.71	10/7/2019	20.63	846.08
MW-20D	Lower Lone Rock	60-90	867.36	866.96	10/7/2019	18.01	848.95
MW-20D2	Upper Wonewoc	110-140	867.36	867.04	10/7/2019	20.82	846.22
MW-21D	Lower Lone Rock	60-90	867.77	867.49	10/7/2019	18.32	849.17
MW-24	Upper Lone Rock	30-40	876.66	876.41	10/7/2019	25.65	850.76

Table 15: Summary of Groundwater Elevations - October 7, 2019
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin

Well/Boring	Lithology	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Date	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)
MW-25D	Upper Wonewoc	120-130	886.97	886.69	10/7/2019	40.19	846.50
MW-25D2	Upper Wonewoc	160-170	886.97	886.68	10/7/2019	40.44	846.24
MW-26S	Unconsolidated	6.85-16.85	857.51	856.61	10/7/2019	3.15	853.46
MW-27D	Upper Wonewoc	130-140	862.96	862.65	10/7/2019	14.90	847.75
MW-27D2	Lower Wonewoc	170-180	862.96	862.59	10/7/2019	14.89	847.70
MW-28	Unconsolidated	28-38	874.30	874.05	10/7/2019	23.12	850.93
MW-29D	Upper Lone Rock	45-50	875.86	877.61	10/7/2019	26.76	850.85
MW-29S	Unconsolidated	24-34	875.97	877.80	10/7/2019	24.45	853.35
MP-13	Upper Lone Rock	44-48	864.49	863.99	10/7/2019	13.62	850.37
MP-13	Lower Lone Rock	67-71	864.49	863.99	10/7/2019	15.61	848.38
MP-13	Lower Lone Rock	81-85	864.49	863.99	10/7/2019	16.25	847.74
MP-13	Upper Wonewoc	102-106	864.49	863.99	10/7/2019	17.39	846.60
MP-13	Upper Wonewoc	121-125	864.49	863.99	10/7/2019	17.47	846.52
MP-13	Upper Wonewoc	135-139	864.49	863.99	10/7/2019	17.56	846.43
MP-13	Lower Wonewoc	163-167	864.49	863.99	10/7/2019	17.46	846.53
MP-14	Lower Lone Rock	70-75	866.88	867.28	10/7/2019	15.20	852.08
MP-14	Upper Wonewoc	100-105	866.88	867.28	10/7/2019	18.67	848.61
MP-14	Upper Wonewoc	135-140	866.88	867.28	10/7/2019	19.23	848.05
MP-14	Lower Wonewoc	170-178	866.88	867.28	10/7/2019	19.62	847.66
MP-15	Upper Wonewoc	88-92	855.98	855.50	10/7/2019	7.42	848.08
MP-15	Upper Wonewoc	100-105	855.98	855.50	10/7/2019	7.34	848.16
MP-15	Upper Wonewoc	120-125	855.98	855.50	10/7/2019	7.41	848.09
MP-15	Lower Wonewoc	142-146	855.98	855.50	10/7/2019	7.65	847.85
MP-15	Lower Wonewoc	177-187	855.98	855.50	10/7/2019	7.73	847.77
MP-16	Lower Lone Rock	80-84	870.68	870.17	10/7/2019	20.21	849.96
MP-16	Upper Wonewoc	106-116	870.68	870.17	10/7/2019	22.75	847.42
MP-16	Upper Wonewoc	140-144	870.68	870.17	10/7/2019	23.00	847.17
MP-16	Lower Wonewoc	175-179	870.68	870.17	10/7/2019	23.42	846.75

Created By: A. Stehn 1/29/2020
Checked By: B. Wachholz 1/30/2020

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-1	MW-1[3]	MW-2D	MW-2D	MW-3S	MW-3S[3]	MW-3D	MW-3D[3]	MW-3D	MW-3D[3]	MW-3D2	MW-3D2	MW-3D3	MW-4S	MW-4S	MW-4D	MW-4D[3]	MW-4D	MW-4D2	MW-4D2	MW-5S	MW-5S	MW-5D	MW-5D	MW-5D2	MW-5D2	MW-5D2[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	14 - 24 ft	14 - 24 ft	39 - 44 ft	39 - 44 ft	19 - 29 ft	19 - 29 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	76 - 81 ft	76 - 81 ft	214 - 224 ft	35 - 50 ft	35 - 50 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	91 - 96 ft	91 - 96 ft	34 - 44 ft	34 - 44 ft	75 - 80 ft	75 - 80 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft
SAMPLE DATE			10/16/2019	10/16/2019	04/12/2019	10/16/2019	10/14/2019	10/14/2019	04/09/2019	04/09/2019	10/14/2019	10/14/2019	04/09/2019	10/14/2019	10/14/2019	04/11/2019	10/11/2019	04/11/2019	04/11/2019	10/11/2019	04/11/2019	10/11/2019	04/10/2019	10/10/2019	04/08/2019	10/10/2019	04/10/2019	10/10/2019	10/10/2019
VOCs																													
1,1,1,2-Tetrachloroethane	7	70	< 0.27	< 0.27	< 0.27	< 0.27	< 5.4	< 5.4	< 0.54	< 1.1	< 0.27	< 2.7	< 0.54	< 0.27	< 0.27	NA	NA	NA	NA	NA	< 0.27	< 0.27	NA	< 0.27	< 5.4	0.31 J	< 5.4	1.2	1.1
1,1,1-Trichloroethane	40	200	< 0.24	< 0.24	< 0.24	< 0.24	< 4.9	< 4.9	< 0.49	< 0.98	< 0.24	< 2.4	< 0.49	< 0.24	< 0.24	NA	NA	NA	NA	NA	< 0.24	< 0.24	NA	< 0.24	< 4.9	< 0.24	< 4.9	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.55	< 0.55	< 0.55	< 0.55	< 11.0	< 11.0	< 1.1	< 2.2	< 0.55	< 5.5	< 1.1	< 0.55	< 0.55	NA	NA	NA	NA	NA	< 0.55	< 0.55	NA	< 0.55	< 11.0	< 0.55	< 11.0	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	< 0.24	< 0.24	< 0.24	< 0.24	< 4.9	< 4.9	< 0.49	< 0.98	< 0.24	< 2.4	< 0.49	< 0.24	< 0.24	NA	NA	NA	NA	NA	< 0.24	< 0.24	NA	< 0.24	< 4.9	< 0.24	< 4.9	0.29 J	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.84	< 0.84	< 0.84	< 0.84	< 16.8	< 16.8	< 1.7	< 3.4	< 0.84	< 8.4	< 1.7	< 0.84	< 0.84	NA	NA	NA	NA	NA	< 0.84	< 0.84	NA	< 0.84	< 16.8	< 0.84	< 16.8	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.83	< 0.83	< 0.83	< 0.83	< 16.6	< 16.6	< 1.7	< 3.3	< 0.83	< 8.3	< 1.7	< 0.83	< 0.83	NA	NA	NA	NA	NA	< 0.83	< 0.83	NA	< 0.83	< 16.6	< 0.83	< 16.6	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 0.71	< 0.71	< 0.71	< 0.71	< 14.1	< 14.1	< 1.4	< 2.8	< 0.71	< 7.1	< 1.4	< 0.71	< 0.71	NA	NA	NA	NA	NA	< 0.71	< 0.71	NA	< 0.71	< 14.1	< 0.71	< 14.1	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 5.6	< 5.6	< 0.56	< 1.1	< 0.28	< 2.8	< 0.56	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 5.6	< 0.28	< 5.6	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 5.7	< 5.7	< 0.57	< 1.1	< 0.28	< 2.8	< 0.57	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 5.7	< 0.28	< 5.7	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.63	< 0.63	< 0.63	< 0.63	< 12.5	< 12.5	< 1.3	< 2.5	< 0.63	< 6.3	< 1.3	< 0.63	< 0.63	NA	NA	NA	NA	NA	< 0.63	< 0.63	NA	< 0.63	< 12.5	< 0.63	< 12.5	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.95	< 0.95	< 19.0	< 19.0	< 1.9	< 3.8	< 0.95	< 9.5	< 1.9	< 0.95	< 0.95	NA	NA	NA	NA	NA	< 0.95	< 0.95	NA	< 0.95	< 19.0	< 0.95	< 19.0	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.87	< 0.87	< 0.87	< 0.87	< 17.5	< 17.5	< 1.7	< 3.5	< 0.87	< 8.7	< 1.7	< 0.87	< 0.87	NA	NA	NA	NA	NA	< 0.87	< 0.87	NA	< 0.87	< 17.5	< 0.87	< 17.5	< 0.87	< 0.87
2-Butanone	800	4000	< 2.9	< 2.9	< 2.9	< 2.9	< 58.7	< 58.7	< 5.9	< 11.7	< 2.9	< 29.4	< 5.9	< 2.9	< 2.9	NA	NA	NA	NA	NA	< 2.9	< 2.9	NA	< 2.9	< 58.7	< 2.9	< 58.7	< 2.9	< 2.9
2-Hexanone	NE	NE	< 2.5	< 2.5	< 2.5	< 2.5	< 49.1	< 49.1	< 4.9	< 9.8	< 2.5	< 24.6	< 4.9	< 2.5	< 2.5	NA	NA	NA	NA	NA	< 2.5	< 2.5	NA	< 2.5	< 49.1	< 2.5	< 49.1	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	< 1.5	< 1.5	< 1.5	< 1.5	< 30.6	< 30.6	< 3.1	< 6.1	< 1.5	< 15.3	< 3.1	< 1.5	< 1.5	NA	NA	NA	NA	NA	< 1.5	< 1.5	NA	< 1.5	< 30.6	< 1.5	< 30.6	< 1.5	< 1.5
Acetone	1800	9000	< 2.7	< 2.7	< 2.7	< 2.7	< 54.8	< 54.8	< 5.5	< 11.0	< 2.7	< 27.4	< 5.5	< 2.7	< 2.7	NA	NA	NA	NA	NA	< 2.7	< 2.7	NA	< 2.7	< 54.8	< 2.7	< 54.8	< 2.7	< 2.7
Benzene	0.5	5	< 0.25	< 0.25	< 0.25	< 0.25	< 4.9	< 4.9	< 0.49	< 0.99	< 0.25	< 2.5	< 0.49	< 0.25	< 0.25	NA	NA	NA	NA	NA	< 0.25	< 0.25	NA	< 0.25	< 4.9	< 0.25	< 4.9	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 0.36	< 0.36	< 0.36	< 0.36	< 7.3	< 7.3	< 0.73	< 1.5	< 0.36	< 3.6	< 0.73	< 0.36	< 0.36	NA	NA	NA	NA	NA	< 0.36	< 0.36	NA	< 0.36	< 7.3	< 0.36	< 7.3	< 0.36	< 0.36
Bromoform	0.44	4.4	< 4.0	< 4.0	< 4.0	< 4.0	< 79.4	< 79.4	< 7.9	< 15.9	< 4.0	< 39.7	< 7.9	< 4.0	< 4.0	NA	NA	NA	NA	NA	< 4.0	< 4.0	NA	< 4.0	< 79.4	< 4.0	< 79.4	< 4.0	< 4.0
Bromomethane	1	10	< 0.97	< 0.97	< 0.97	< 0.97	< 19.4	< 19.4	< 1.9	< 3.9	< 0.97	< 9.7	< 1.9	< 0.97	< 0.97	NA	NA	NA	NA	NA	< 0.97	< 0.97	NA	< 0.97	< 19.4	< 0.97	< 19.4	< 0.97	< 0.97
Carbon disulfide	200	1000	< 0.37	< 0.37	< 0.37	< 0.37	< 7.5	< 7.5	< 0.75	< 1.5	< 0.37	< 3.7	< 0.75	< 0.37	< 0.37	NA	NA	NA	NA	NA	< 0.37	< 0.37	NA	< 0.37	< 7.5	< 0.37	< 7.5	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 0.17	< 0.17	< 0.17	< 0.17	< 3.3	< 3.3	< 0.33	< 0.66	< 0.17	< 1.7	< 0.33	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.17	< 0.17	NA	***0.91 J***	< 3.3	0.44 J	< 3.3	< 0.17	< 0.17
Chloroform	0.6	6	< 1.3	< 1.3	< 1.3	< 1.3	< 25.5	< 25.5	< 2.5	< 5.1	< 1.3	< 12.7	< 2.5	< 1.3	< 1.3	NA	NA	NA	NA	NA	< 1.3	< 1.3	NA	< 1.3	< 25.5	***1.6 J***	< 25.5	< 1.3	< 1.3
Chloromethane	3	30	< 2.2	< 2.2	< 2.2	< 2.2	< 43.8	< 43.8	< 4.4	< 8.8	< 2.2	< 21.9	< 4.4	< 2.2	< 2.2	NA	NA	NA	NA	NA	< 2.2	< 2.2	NA	< 2.2	< 43.8	< 2.2	< 43.8	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	***7.1***	6.8	< 0.27	< 0.27	***25.6***	***24.9***	***52.9***	***43.4***	***68.3***	***63.3***	***22.6***	***20.4***	< 0.27	NA	NA	NA	NA	NA	< 0.27	< 0.27	NA	< 0.27	***149***	***85.4***	***15.0 J***	***10.9***	***11.3***
Dichlorodifluoromethane	200	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 10	< 10	< 1.0	< 2.0	< 0.50	< 5.0	1.0 J	2.9 J	< 0.50	NA	NA	NA	NA	NA	< 0.50	< 0.50	NA	< 0.50	< 10	< 0.50	< 10	< 0.50	< 0.50
Ethylbenzene	140	700	< 0.22	< 0.22	< 0.22	< 0.22	< 4.4	< 4.4	< 0.44	< 0.87	< 0.22	< 2.2	< 0.44	< 0.22	< 0.22	NA	NA	NA	NA	NA	< 0.22	< 0.22	NA	< 0.22	< 4.4	< 0.22	< 4.4	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 0.39	< 0.39	< 0.39	< 0.39	< 7.9	< 7.9	< 0.79	< 1.6	< 0.39	< 3.9	< 0.79	< 0.39	< 0.39	NA	NA	NA	NA	NA	< 0.39	< 0.39	NA	< 0.39	< 7.9	< 0.39	< 7.9	< 0.39	< 0.39
m,p-Xylene	400	2000	< 0.47	< 0.47	< 0.47	< 0.47	< 9.3	< 9.3	< 0.93	< 1.9	< 0.47	< 4.7	< 0.93	< 0.47	< 0.47	NA	NA	NA	NA	NA	< 0.47	< 0.47	NA	< 0.47	< 9.3	< 0.47	< 9.3	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	< 1.2	< 1.2	< 24.9	< 24.9	< 2.5	< 5.0	< 1.2	< 12.5	< 2.5	< 1.2	< 1.2	NA	NA	NA	NA	NA	< 1.2	< 1.2	NA	< 1.2	< 24.9	< 1.2	< 24.9	< 1.2	< 1.2
Methylene chloride	0.5	5	< 0.58	< 0.58	< 0.58	< 0.58	< 11.6	< 11.6	< 1.2	< 2.3	< 0.58	< 5.8	< 1.2	< 0.58	< 0.58	NA	NA	NA	NA	NA	< 0.58	< 0.58	NA	< 0.58	< 11.6	< 0.58	< 11.6	< 0.58	< 0.58
Naphthalene	10	100	< 1.2	< 1.2	< 1.2	< 1.2	< 23.5	< 23.5	< 2.4	< 4.7	< 1.2	< 11.8	< 2.4	< 1.2	< 1.2	NA	NA	NA	NA	NA	< 1.2	< 1.2	NA	< 1.2	< 23.5	< 1.2	< 23.5	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 0.71	< 0.71	< 0.71	< 0.71	< 14.2	< 14.2	< 1.4	< 2.8	< 0.71	< 7.1	< 1.4	< 0.71	< 0.71	NA	NA	NA	NA	NA	< 0.71	< 0.71	NA	< 0.71	< 14.2	< 0.71	< 14.2	< 0.71	< 0.71
n-Hexane	120	600	< 1.7	< 1.7	< 1.7	< 1.7	< 34.2	< 34.2	< 3.4	< 6.8	< 1.7	< 17.1	< 3.4	< 1.7	< 1.7	NA	NA	NA	NA	NA	< 1.7	< 1.7	NA	< 1.7	< 34.2	< 1.7	< 34.2	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 0.81	< 0.81	< 0.81	< 0.81	< 16.2	< 16.2	< 1.6	< 3.2	< 0.81	< 8.1	< 1.6	< 0.81	< 0.81	NA	NA	NA	NA	NA	< 0.81	< 0.81	NA	< 0.81	< 16.2	< 0.81	< 16.2	< 0.81	< 0.81
o-Xylene	400	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 5.2	< 5.2	< 0.52	< 1.0	< 0.26	< 2.6	< 0.52	< 0.26	< 0.26	NA	NA	NA	NA	NA	< 0.26	< 0.26	NA	< 0.26	< 5.2	< 0.26	< 5.2	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 0.80	< 0.80	< 0.80	< 0.80	< 16.0	< 16.0	< 1.6	< 3.2	< 0.80	< 8.0	< 1.6	< 0.80	< 0.80	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	< 0.80	< 16.0	< 0.80	< 16.0	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 0.85	< 0.85	< 0.85	< 0.85	< 17.0	< 17.0	< 1.7	< 3.4	< 0.85	< 8.5	< 1.7	< 0.85	< 0.85	NA	NA	NA	NA	NA	< 0.85	< 0.85	NA	< 0.85	< 17.0	< 0.85	< 17.0	< 0.85	< 0.85
Styrene	10	100	< 0.47	< 0.47	< 0.47	< 0.47	< 9.3	< 9.3	< 0.93	< 1.9	< 0.47	< 4.7	< 0.93	< 0.47	< 0.47	NA	NA	NA	NA	NA	< 0.47	< 0.47	NA	< 0.47	< 9.3	< 0.47	< 9.3	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 0.30	< 0.30	< 0.30	< 0.30	< 6.1	< 6.1	< 0.61	< 1.2	< 0.30	< 3.0	< 0.61	< 0.30	< 0.30	NA	NA	NA	NA	NA	< 0.30	< 0.30	NA	< 0.30	< 6.1	< 0.30	< 6.1	< 0.30	< 0.30
Tetrachloroethene	0.5	5	***5.8***	***5.5***	***17.1***	***10.8***	***1270***	***1220***	***333***	***263***	***645***	***627***	***300***	***280***	< 0.33	NA	NA	NA	NA	NA	***1.1 J***	< 0.33 U	NA	***49.2***	***2170***	***1500***	***2150***	***2150***	***2120***
Toluene	160	800	< 0.17	< 0.17	< 0.17	< 0.17	< 3.4	< 3.4	< 0.34	< 0.69	< 0.17	< 1.7	< 0.34	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.17	< 0.17	NA	< 0.17	< 3.4	< 0.17	< 3.4	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	< 1.1	< 1.1	< 1.1	< 1.1	< 21.8	< 21.8	< 2.2	< 4.4	1.3 J	< 10.9	< 2.2	< 1.1	< 1.1	NA	NA	NA	NA	NA	< 1.1	< 1.1	NA	< 1.1	< 21.8	1.7 J	< 21.8	< 1.1	< 1.1
Trichloroethene	0.5	5	***3.9***	***3.7***	< 0.26	< 0.26	***90.1***	***87.4***	***41***	***34***	***68.7***	***61.7***	***19.8***	***15.6***	< 0.26	NA	NA	NA	NA	NA	< 0.26	< 0.26	NA	< 0.26	***72.3***	***48.3***	***26.7***	***29.2***	***30.2***
Trichlorofluoromethane	698	3490	< 0.21	< 0.21	< 0.21	< 0.21	< 4.3	< 4.3	< 0.43	< 0.86	< 0.21	< 2.1	< 0.43	< 0.21	< 0.21	NA	NA	NA	NA	NA	< 0.21	< 0.21	NA	< 0.21	< 4.3	< 0.21	< 4.3	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	< 0.17	< 0.17	< 0.17	< 0.17	< 3.5	< 3.5	< 0.35	< 0.70	< 0.17	< 1.7	< 0.35	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.17	< 0.17	NA	< 0.17	< 3.5	< 0.17	< 3.5	< 0.17	< 0.17
Xylenes, Total	400	2000	< 1.5	< 1.5	< 1.5	< 1.5	< 30.0	< 30.0	< 3.0	< 6.0	< 1.5	< 15.0	< 3.0	< 1.5	< 1.5	NA	NA	NA	NA	NA	< 1.5	< 1.5	NA	< 1.5	< 30.0	< 1.5	< 30.0	< 1.5	< 1.5
Total PCBs																													
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	< 0.0072	< 0.0072	NA	NA	NA	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	NA	NA	< 0.0072	< 0.0072	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	< 0.0042	< 0.0042	NA	NA	NA	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042	NA	NA	< 0.0042	< 0.0042	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	< 0.013	< 0.013	NA	NA	NA	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	NA	NA	< 0.013	< 0.013	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	< 0.011	< 0.011	NA	NA	NA	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	NA	NA	< 0.011	< 0.011	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	< 0.026	NA	NA	NA	NA	NA
Dissolved PCBs																													
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																													
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	2060	2020	736	698	NA	NA	NA	2260	2150	894	820	944	NA	NA	1060	1050	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	4.4	4.6	1.2 J	2.0	NA	NA	NA	1.6 J	< 0.95	1.4 J	< 0.95	< 0.95	NA	NA	2.4	< 0.95	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D3	MW-5D3	MW-6S	MW-6S	MW-6D	MW-6D[3]	MW-6D	MW-9D	MW-9D[3]	MW-9D2	MW-9D2	MW-11S	MW-11S	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-14	MP-14	MP-14	MP-14	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	225 - 235 ft	225 - 235 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	44 - 49 ft	44 - 49 ft	64 - 69 ft	64 - 69 ft	24 - 34 ft	24 - 34 ft	44 - 48 ft	67 - 71 ft	81 - 85 ft	102 - 106 ft	121 - 125 ft	135 - 139 ft	163 - 167 ft	100 - 105 ft	135 - 140 ft	135 - 140 ft	170 - 178 ft	88 - 92 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/10/2019	10/10/2019	04/12/2019	10/11/2019	04/11/2019	04/11/2019	10/11/2019	10/16/2019	10/16/2019	04/09/2019	10/16/2019	04/09/2019	10/15/2019	10/08/2019	10/08/2019	10/08/2019	10/08/2019	10/08/2019	10/08/2019	10/08/2019	10/09/2019	04/08/2019	10/09/2019	10/09/2019	10/08/2019
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 0.27	< 0.27	NA	< 0.27	< 6.7	< 6.7	< 6.7	< 0.27	< 0.27	< 0.54	< 0.27	NA	NA	< 0.27	< 0.27	< 0.27	0.37 J	< 0.27	< 0.27	< 0.27	< 0.27	< 1.1	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	40	200	< 0.24	< 0.24	NA	< 0.24	< 6.1	< 6.1	< 6.1	< 0.24	< 0.24	< 0.49	< 0.24	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.98	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.55	< 0.55	NA	< 0.55	< 13.8	< 13.8	< 13.8	< 0.55	< 0.55	< 1.1	< 0.55	NA	NA	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 2.2	< 0.55	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	< 0.24	< 0.24	NA	< 0.24	< 6.1	< 6.1	< 6.1	< 0.24	< 0.24	< 0.49	< 0.24	NA	NA	< 0.24	< 0.24	0.48 J	0.48 J	< 0.24	0.40 J	< 0.24	< 0.24	< 0.98	< 0.24	< 0.24	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.84	< 0.84	NA	< 0.84	57.0 J	56.3 J	43.5 J	< 0.84	< 0.84	< 1.7	< 0.84	NA	NA	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 3.4	< 0.84	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.83	< 0.83	NA	< 0.83	< 20.7	< 20.7	< 20.7	< 0.83	< 0.83	< 1.7	< 0.83	NA	NA	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 3.3	< 0.83	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 0.71	< 0.71	NA	< 0.71	< 17.6	< 17.6	< 17.6	< 0.71	< 0.71	< 1.4	< 0.71	NA	NA	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 2.8	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	NA	< 0.28	< 7.0	< 7.0	< 7.0	< 0.28	< 0.28	< 0.56	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	***0.67 J***	***0.94 J***	< 0.28	< 0.28	< 0.28	< 1.1	< 0.28	< 0.28	0.42 J
1,2-Dichloropropane	0.5	5	< 0.28	< 0.28	NA	< 0.28	< 7.1	< 7.1	< 7.1	< 0.28	< 0.28	< 0.57	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 1.1	< 0.28	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.63	< 0.63	NA	< 0.63	< 15.6	< 15.6	< 15.6	< 0.63	< 0.63	< 1.3	< 0.63	NA	NA	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 2.5	< 0.63	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	NA	< 0.95	< 23.8	< 23.8	< 23.8	< 0.95	< 0.95	< 1.9	< 0.95	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 3.8	< 0.95	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.87	< 0.87	NA	< 0.87	< 21.8	< 21.8	< 21.8	< 0.87	< 0.87	< 1.7	< 0.87	NA	NA	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 3.5	< 0.87	< 0.87	< 0.87
2-Butanone	800	4000	< 2.9	< 2.9	NA	< 2.9	< 73.4	< 73.4	< 73.4	< 2.9	< 2.9	< 5.9	< 2.9	NA	NA	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 11.7	< 2.9	< 2.9	< 2.9
2-Hexanone	NE	NE	< 2.5	< 2.5	NA	< 2.5	< 61.4	< 61.4	< 61.4	< 2.5	< 2.5	< 4.9	< 2.5	NA	NA	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 9.8	< 2.5	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	< 1.5	< 1.5	NA	< 1.5	< 38.3	< 38.3	< 38.3	< 1.5	< 1.5	< 3.1	< 1.5	NA	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 6.1	< 1.5	< 1.5	< 1.5
Acetone	1800	9000	< 2.7	< 2.7	NA	< 2.7	119 J	197 J	< 68.5 U	< 2.7	< 2.7	< 5.5	< 2.7	NA	NA	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	15.3 J	< 2.7	< 11.0	< 2.7	< 2.7	< 2.7
Benzene	0.5	5	< 0.25	< 0.25	NA	< 0.25	***1210***	***1280***	***1180***	< 0.25	< 0.25	< 0.49	< 0.25	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.99	< 0.25	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 0.36	< 0.36	NA	< 0.36	< 9.1	< 9.1	< 9.1	< 0.36	< 0.36	< 0.73	< 0.36	NA	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 1.5	< 0.36	< 0.36	< 0.36
Bromoform	0.44	4.4	< 4.0	< 4.0	NA	< 4.0	< 99.3	< 99.3	< 99.3	< 4.0	< 4.0	< 7.9	< 4.0	NA	NA	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 15.9	< 4.0	< 4.0	< 4.0
Bromomethane	1	10	< 0.97	< 0.97	NA	< 0.97	< 24.3	< 24.3	< 24.3	< 0.97	< 0.97	< 1.9	< 0.97	NA	NA	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 3.9	< 0.97	< 0.97	< 0.97
Carbon disulfide	200	1000	< 0.37	< 0.37	NA	< 0.37	< 9.4	< 9.4	< 9.4	< 0.37	< 0.37	< 0.75	< 0.37	NA	NA	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 1.5	< 0.37	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 0.17	< 0.17	NA	< 0.17	< 4.1	< 4.1	< 4.1	< 0.17	< 0.17	< 0.33	< 0.17	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.66	< 0.17	< 0.17	< 0.17
Chloroform	0.6	6	< 1.3	< 1.3	NA	< 1.3	< 31.8	< 31.8	< 31.8	< 1.3	< 1.3	< 2.5	< 1.3	NA	NA	< 1.3	***1.5 J***	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 5.1	< 1.3	< 1.3	< 1.3
Chloromethane	3	30	< 2.2	< 2.2	NA	< 2.2	< 54.7	< 54.7	< 54.7	< 2.2	< 2.2	< 4.4	< 2.2	NA	NA	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 8.8	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.27	< 0.27	NA	< 0.27	< 6.8	< 6.8	***9.0 J***	< 0.27	< 0.27	***64.1***	***50.7***	NA	NA	***17.5***	5.5	***259***	***227***	***69.6***	***166***	***23.2***	< 0.27	***15.6***	***13.8***	***29***	***24.9***
Dichlorodifluoromethane	200	1000	< 0.50	< 0.50	NA	< 0.50	< 12.5	< 12.5	< 12.5	< 0.50	< 0.50	< 1.0	0.60 J	NA	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	< 0.50
Ethylbenzene	140	700	< 0.22	< 0.22	NA	< 0.22	32.0	38.1	21.7 J	< 0.22	< 0.22	< 0.44	< 0.22	NA	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.87	< 0.22	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 0.39	< 0.39	NA	< 0.39	15.3 J	16.8 J	16.3 J	< 0.39	< 0.39	< 0.79	< 0.39	NA	NA	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1.6	< 0.39	< 0.39	< 0.39
m,p-Xylene	400	2000	< 0.47	< 0.47	NA	< 0.47	44.2 J	43.4 J	18.4 J	< 0.47	< 0.47	< 0.93	< 0.47	NA	NA	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 1.9	< 0.47	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	NA	< 1.2	< 31.1	< 31.1	< 31.1	< 1.2	< 1.2	***30***	***47.3***	NA	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 5.0	< 1.2	< 1.2	< 1.2
Methylene chloride	0.5	5	< 0.58	< 0.58	NA	< 0.58	< 14.5	< 14.5	< 14.5	< 0.58	< 0.58	< 1.2	< 0.58	NA	NA	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 2.3	< 0.58	< 0.58	< 0.58
Naphthalene	10	100	< 1.2	< 1.2	NA	< 1.2	< 29.4	< 29.4	< 29.4	< 1.2	< 1.2	< 2.4	< 1.2	NA	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 4.7	< 1.2	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 0.71	< 0.71	NA	< 0.71	< 17.7	< 17.7	< 17.7	< 0.71	< 0.71	< 1.4	< 0.71	NA	NA	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 2.8	< 0.71	< 0.71	< 0.71
n-Hexane	120	600	< 1.7	< 1.7	NA	< 1.7	< 42.7	< 42.7	< 42.7	< 1.7	< 1.7	< 3.4	< 1.7	NA	NA	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 6.8	< 1.7	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 0.81	< 0.81	NA	< 0.81	< 20.3	< 20.3	< 20.3	< 0.81	< 0.81	< 1.6	< 0.81	NA	NA	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 3.2	< 0.81	< 0.81	< 0.81
o-Xylene	400	2000	< 0.26	< 0.26	NA	< 0.26	< 6.5	< 6.5	< 6.5	< 0.26	< 0.26	< 0.52	< 0.26	NA	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 1.0	< 0.26	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 0.80	< 0.80	NA	< 0.80	< 20.0	< 20.0	< 20.0	< 0.80	< 0.80	< 1.6	< 0.80	NA	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 3.2	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 0.85	< 0.85	NA	< 0.85	< 21.2	< 21.2	< 21.2	< 0.85	< 0.85	< 1.7	< 0.85	NA	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 3.4	< 0.85	< 0.85	< 0.85
Styrene	10	100	< 0.47	< 0.47	NA	< 0.47	< 11.6	< 11.6	< 11.6	< 0.47	< 0.47	< 0.93	< 0.47	NA	NA	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 1.9	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 0.30	< 0.30	NA	< 0.30	< 7.6	< 7.6	< 7.6	< 0.30	< 0.30	< 0.61	< 0.30	NA	NA	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 1.2	< 0.30	< 0.30	< 0.30
Tetrachloroethene	0.5	5	< 0.33	< 0.33	NA	< 0.33	< 8.2	< 8.2	< 8.2	< 0.33	< 0.33	***98.5***	***71.1***	NA	NA	***105***	***23.2***	***702***	***822***	***715***	***3290***	***79.7***	< 0.33 U	***408***	***303***	***654***	***232***
Toluene	160	800	< 0.17	< 0.17	NA	< 0.17	95.5 J	93.1 J	87.7 J	< 0.17	< 0.17	< 0.34	< 0.17	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	0.33 J	< 0.17	< 0.69	< 0.17	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	< 1.1	< 1.1	NA	< 1.1	< 27.3	< 27.3	< 27.3	< 1.1	< 1.1	< 2.2	< 1.1	NA	NA	< 1.1	< 1.1	3.2 J	4.1	< 1.1	2.5 J	< 1.1	< 1.1	< 4.4	< 1.1	< 1.1	< 1.1
Trichloroethene	0.5	5	< 0.26	< 0.26	NA	< 0.26	***14.4 J***	***18.3 J***	***13.9 J***	< 0.26	< 0.26	***25.8***	***19.9***	NA	NA	***24.2***	***4.3***	***160***	***195***	***101***	***285***	***9.1***	< 0.26	***31***	***26.1***	***54.6***	***19.1***
Trichlorofluoromethane	698	3490	< 0.21	< 0.21	NA	< 0.21	< 5.4	< 5.4	< 5.4	< 0.21	< 0.21	< 0.43	< 0.21	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.86	< 0.21	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	< 0.17	< 0.17	NA	< 0.17	< 4.4	< 4.4	< 4.4	< 0.17	< 0.17	***1.7 J***	***0.95 J***	NA	NA	< 0.17	< 0.17	***9.1***	***0.63 J***	< 0.17	***0.63 J***	***0.38 J***	< 0.17	< 0.70	< 0.17	< 0.17	< 0.17
Xylenes, Total	400	2000	< 1.5	< 1.5	NA	< 1.5	44.2 J	43.4 J	< 37.5	< 1.5	< 1.5	< 3.0	< 1.5	NA	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 6.0	< 1.5	< 1.5	< 1.5
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	< 0.0042	< 0.0042	NA	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	< 0.013	< 0.013	NA	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	< 0.011	< 0.011	NA	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	4400	5010	NA	NA	NA	NA	NA	NA	NA	1460	1370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	1.8 J	2.2	NA	NA	NA	NA	NA	NA	NA	1.4 J	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-15	MP-15	MP-15	MP-15	MP-16	MP-16	MP-16	MP-16	MW-17	MW-17	MW-24	MW-24	MW-25D	MW-25D2	MW-25D2	MW-27D	MW-27D	MW-27D2	MW-28	MW-28	MW-29S	MW-29S	MW-29S[3]	MW-29D	MW-29D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	100 - 105 ft	120 - 125 ft	142 - 146 ft	177 - 187 ft	106 - 116 ft	140 - 144 ft	140 - 144 ft	175 - 179 ft	160 - 170 ft	160 - 170 ft	30 - 40 ft	30 - 40 ft	120 - 130 ft	160 - 170 ft	160 - 170 ft	130 - 140 ft	130 - 140 ft	170 - 180 ft	28 - 38 ft	28 - 38 ft	24 - 34 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	45.2 - 50.2 ft	45.2 - 50.2 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	10/08/2019	10/08/2019	10/08/2019	10/08/2019	10/09/2019	04/08/2019	10/09/2019	10/09/2019	04/11/2019	10/11/2019	04/09/2019	10/15/2019	10/09/2019	04/10/2019	10/09/2019	04/10/2019	10/10/2019	10/10/2019	04/12/2019	10/16/2019	4/12/2019	10/15/2019	10/15/2019	04/12/2019	10/15/2019
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 2.7	< 2.7	NA	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	0.50 J	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 2.4	< 2.4	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 5.5	< 5.5	NA	NA	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	NA	< 0.55	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	< 0.24	< 0.24	0.31 J	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 2.4	< 2.4	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 8.4	< 8.4	NA	NA	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	NA	< 0.84	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 8.3	< 8.3	NA	NA	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	NA	< 0.83	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 7.1	< 7.1	NA	NA	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	NA	< 0.71	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 2.8	< 2.8	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 2.8	< 2.8	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 6.3	< 6.3	NA	NA	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	NA	< 0.63	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 9.5	< 9.5	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	NA	< 0.95	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 8.7	< 8.7	NA	NA	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	NA	< 0.87	NA	NA	NA	NA	NA
2-Butanone	800	4000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 29.4	< 29.4	NA	NA	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	NA	< 2.9	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 24.6	< 24.6	NA	NA	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	NA	< 2.5	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 15.3	< 15.3	NA	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	NA	NA	NA	NA	NA
Acetone	1800	9000	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 27.4	< 27.4	NA	NA	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	NA	< 2.7	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 2.5	< 2.5	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 3.6	< 3.6	NA	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	< 0.36	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 39.7	< 39.7	NA	NA	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	NA	< 4.0	NA	NA	NA	NA	NA
Bromomethane	1	10	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 9.7	< 9.7	NA	NA	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	NA	< 0.97	NA	NA	NA	NA	NA
Carbon disulfide	200	1000	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 3.7	< 3.7	NA	NA	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	NA	< 0.37	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.7	< 1.7	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	NA	NA	NA	NA	NA
Chloroform	0.6	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 12.7	< 12.7	NA	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	< 1.3	NA	NA	NA	NA	NA
Chloromethane	3	30	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 21.9	< 21.9	NA	NA	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	NA	< 2.2	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	***52.5***	***53.5***	***173***	< 0.27	6.8	2.4	3.9	0.29 J	5.5 J	4.2 J	NA	NA	< 0.27	< 0.27	< 0.27	1.1	1.1	***12.7***	NA	< 0.27	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 5.0	NA	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.50	NA	NA	NA	NA	NA
Ethylbenzene	140	700	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 2.2	< 2.2	NA	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 3.9	< 3.9	NA	NA	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	NA	< 0.39	NA	NA	NA	NA	NA
m,p-Xylene	400	2000	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 4.7	< 4.7	NA	NA	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	NA	< 0.47	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 12.5	< 12.5	NA	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	NA	< 1.2	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 5.8	< 5.8	NA	NA	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	NA	< 0.58	NA	NA	NA	NA	NA
Naphthalene	10	100	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 11.8	< 11.8	NA	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	NA	< 1.2	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 7.1	< 7.1	NA	NA	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	NA	< 0.71	NA	NA	NA	NA	NA
n-Hexane	120	600	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 17.1	< 17.1	NA	NA	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA	< 1.7	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 8.1	< 8.1	NA	NA	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	NA	< 0.81	NA	NA	NA	NA	NA
o-Xylene	400	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 2.6	< 2.6	NA	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 8.0	< 8.0	NA	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	< 0.80	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 8.5	< 8.5	NA	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	NA	< 0.85	NA	NA	NA	NA	NA
Styrene	10	100	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 4.7	< 4.7	NA	NA	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	NA	< 0.47	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 3.0	< 3.0	NA	NA	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	NA	< 0.30	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	***867***	***1160***	***2170***	***4.2***	***59***	***37.8***	***52.2***	***8.9***	***831***	***747***	NA	NA	< 0.33 U	< 0.33	< 0.33	***2.7***	< 0.33	***28.7***	NA	***1140***	NA	NA	NA	NA	NA
Toluene	160	800	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.7	< 1.7	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	< 1.1	< 1.1	1.4 J	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 10.9	< 10.9	NA	NA	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	< 1.1	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	***76.9***	***71.7***	***191***	0.43 J	***9.6***	***7.9***	***11.3***	***1.6***	***67.6***	***60.7***	NA	NA	< 0.26	< 0.26	< 0.26	***1.7***	< 0.26	***23.6***	NA	***2.9***	NA	NA	NA	NA	NA
Trichlorofluoromethane	698	3490	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 2.1	< 2.1	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	***0.38 J***	< 0.17	***0.70 J***	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.7	< 1.7	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 15.0	< 15.0	NA	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	NA	NA	NA	NA	NA
Total PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Dissolved PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																											
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2170	2150	NA	NA	NA	NA	NA	NA	1310	1180	762	720	672	780	626
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	3.0	NA	NA	NA	NA	NA	NA	1.4 J	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Footnotes:
1 - Indicates that the sample was quenched prior to analysis.
2 - Indicates that the sample was not quenched prior to analysis.
3 - Indicates the result of a field duplicate.

Updated By: P. Popp 12/5/2019
Checked By: L. Auner 12/5/2019

General Notes:
All concentrations noted in this table are reported in micrograms per liter (µg/L) unless otherwise noted.
Analytes shown in the table are from VOC and PCB analyte lists. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.

100 = NR 140 Wis. Adm. Code Preventive Action Limit Exceedance
100 = NR 140 Wis. Adm. Code Enforcement Standard Exceedance
< = Constituent not detected above noted laboratory method detection limit.
* = Data is suspect and not used in evaluation. (Note from historical data through 2015, provided by Arcadis)
B = Compound was found in the blank and sample.
bgs = Below Ground Surface.
cn = Laboratory Contaminant.
E = Estimated concentration, exceeds instrumental calibration range.
ID = Identification.
J = Estimated concentration above the adjusted method detection limit and below the reporting limit or because of non-compliant laboratory quality check.
J- = Results may be biased low because of non-compliant laboratory quality check.
J+ = Results may be biased high because of non-compliant laboratory quality check.
U = Results determined to be non-detect at the concentration limit because of blank contamination.
NA = Not Analyzed.
ND = Not Detected.
NE = Not Established.
PCBs = Polychlorinated biphenyls.
VOCs = Volatile Organic Compounds.

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-1N	VP-1N	VP-1N	VP-1N	VP-1N	VP-1N	VP-1N	VP-1N
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res. [4,5]	Res. [4]	9/17/2009	10/26/2012	7/15/2013	1/29/2014	7/22/2014	7/22/2015	7/20/2016	7/25/2017
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	--	0.52	2.6	< 0.14	< 0.17	< 0.16	11	< 0.093
trans-1,2-Dichloroethene	NE	NE	NE	NE	--	< 0.36	< 0.26	< 0.14	< 0.17	< 0.16	< 0.13	< 0.18
1,2-Dichloroethene	NE	NE	NE	NE	< 20	0.52	2.60	< 0.14	< 0.17	NA	NA	NA
Tetrachloroethene	27,000	620	2,700	210	160	65	76	< 0.14	1.8	0.29	31	< 0.064
Trichloroethene	1,600	39	160	13	< 10	0.52	1.1	< 0.14	< 0.17	< 0.16	**13**	< 0.12
Vinyl chloride[3]	11,000	65	1,100	22	--	< 0.36	< 0.26	< 0.14	< 0.17	< 0.16	< 0.19	< 0.072

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

> = greater than

-- = not designated

*D = limit of detection not achievable due to dilution

*IS = the internal standard quality control limit is exceeded

AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-1S	VP-1S	VP-1S	VP-1S	VP-1S	VP-1S	VP-1S	VP-1S
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res. [4,5]**	**Res. [4]**	**9/17/2009**	**10/26/2012**	**7/15/2013**	**1/29/2014**	**7/22/2014**	**7/22/2015**	**7/20/2016**	**07/25/2017**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	--	< 0.15	0.26	< 0.14	0.19	< 0.14	7.6	< 0.098
trans-1,2-Dichloroethene	NE	NE	NE	NE	--	< 0.15	< 0.16	< 0.14	< 0.16	< 0.14	< 0.14	< 0.19
1,2-Dichloroethene	NE	NE	NE	NE	341	< 0.15	0.26	< 0.14	0.19	NA	NA	NA
Tetrachloroethene	27,000	620	2,700	210	**1,400**	4.8	33	0.9	4.7	< 0.14	31	6.2
Trichloroethene	1,600	39	160	13	**260**	0.15	0.44	< 0.14	0.21	< 0.14	8.2	< 0.12
Vinyl chloride[3]	11,000	65	1,100	22	--	< 0.15	< 0.16	< 0.14	< 0.16	< 0.014	< 0.21	< 0.076

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

> = greater than

-- = not designated

*D = limit of detection not achievable due to dilution

*IS = the internal standard quality control limit is exceeded

AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-1S	VP-1S	VP-1S	VP-1S	VP-2N	VP-2N	VP-2N	VP-2N
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res.[4,5]**	**Res.[4]**	**10/08/2018**	**11/27/2018**	**12/17/2018**	**7/16/2019**	**9/17/2009**	**10/26/2012**	**7/15/2013**	**1/29/2014**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.84	<0.75	<0.76	1.1	NA	< 0.93	2.5	< 0.14
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.84	<0.75	<0.76	<0.85	NA	< 0.93	< 0.39	< 0.14
1,2-Dichloroethene	NE	NE	NE	NE	NA	NA	NA	NA	500	< 0.93	2.5	< 0.14
Tetrachloroethene	27,000	620	2,700	210	12	14	8.9	130	**1,300**	160	110	< 0.14
Trichloroethene	1,600	39	160	13	< 0.84	<0.75	<0.76	4.7	**370**	< 0.93	1.4	< 0.14
Vinyl chloride[3]	11,000	65	1,100	22	< 0.84	<0.75	<0.76	<0.85	NA	< 0.93	< 0.39	< 0.14

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

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Notes:

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Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

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VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-2N	VP-2N	VP-2N	VP-2N	VP-2S	VP-2S	VP-2S	VP-2S
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res.[4,5]**	**Res.[4]**	**7/22/2014**	**7/22/2015**	**7/20/2016**	**07/25/2017**	**9/17/2009**	**10/26/2012**	**7/15/2013**	**1/29/2014**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.18	< 0.16	7.8	< 0.094	--	< 0.14	0.54	0.36
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.18	< 0.16	< 0.14	< 0.19	--	< 0.14	< 0.31	< 0.14
1,2-Dichloroethene	NE	NE	NE	NE	< 0.18	NA	NA	NA	332	< 0.14	0.54	NA
Tetrachloroethene	27,000	620	2,700	210	1.5	< 0.16	20	< 0.065	**1,100**	12	86	44
Trichloroethene	1,600	39	160	13	< 0.18	< 0.16	8.2	< 0.12	**240**	< 0.14	0.38	0.22
Vinyl chloride[3]	11,000	65	1,100	22	< 0.18	< 0.016	< 0.21	< 0.073	--	< 0.14	< 0.31	< 0.14

Footnotes:

Updated By: L. Auner, 10/29/2019
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Notes:

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Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

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Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-2S	VP-2S	VP-3	VP-3	VP-3 (DUP)	VP-3	VP-4	VP-4
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res.[4,5]**	**Res.[4]**	**7/22/2014**	**7/22/2015**	**3/30/2012**	**10/26/2012**	**10/26/2012**	**7/22/2014**	**3/30/2012**	**10/26/2012**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	0.19	2.6	0.60	< 0.16	< 0.15	0.58	< 0.15	< 0.15
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.15	0.32	< 0.17	< 0.16	< 0.15	< 0.17	< 0.15	< 0.15
1,2-Dichloroethene	NE	NE	NE	NE	0.19	NA	0.6	< 0.16	< 0.15	0.58	< 0.15	< 0.15
Tetrachloroethene	27,000	620	2,700	210	2.0	44	18	3.2	3.8	25	0.68	0.20
Trichloroethene	1,600	39	160	13	< 0.15	1.4	2.0	0.36	0.44	3.6	< 0.15	< 0.15
Vinyl chloride[3]	11,000	65	1,100	22	< 0.15	< 0.017	< 0.17	< 0.16	< 0.15	< 0.17	< 0.15	< 0.15

Footnotes:

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BOLD = result is equal to or exceeds residential sub-slab VRSL

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-4	VP-4	VP-5	VP-5	VP-5	VP-6	VP-6	VP-6
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res. [4,5]	Res. [4]	7/23/2014	7/24/2015	3/30/2012	10/26/2012	7/22/2014	3/30/2012	10/26/2012	4/29/2013
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	0.27	0.18 J	1.1	26	2.6	28	190	2100
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.16	< 0.18	< 0.15	0.38	< 0.17	1.7	5.8	82
1,2-Dichloroethene	NE	NE	NE	NE	0.27	NA	1.1	26.38	2.6	29.7	195.8	2182
Tetrachloroethene	27,000	620	2,700	210	< 0.16	0.19	2.1	27	0.59	63	190	**2,900**
Trichloroethene	1,600	39	160	13	< 0.16	0.29	1.1	**22**	2.4	**20**	**72**	**1,100**
Vinyl chloride[3]	11,000	65	1,100	22	< 0.16	< 0.018	< 0.15	1.2	0.38	**53**	**23**	**130**

Footnotes:

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-6	VP-6	VP-6	VP-6	VP-6	VP-6	VP-6	VP-6
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res. [4,5]	Res. [4]	1/29/2014	7/22/2014	7/22/2015	7/20/2016	07/25/2017	10/18/2018	11/28/2018	12/17/2018
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	310	1.0	780	< 0.23	< 0.20	< 0.84	<0.74	<0.76
trans-1,2-Dichloroethene	NE	NE	NE	NE	16	< 0.16	58	< 0.14	< 0.40	< 0.84	<0.74	<0.76
1,2-Dichloroethene	NE	NE	NE	NE	326	1	NA	NA	NA	NA	NA	NA
Tetrachloroethene	27,000	620	2,700	210	**550**	< 0.16	**470**	**280**	**380**	88	55	36
Trichloroethene	1,600	39	160	13	**240**	0.34	**700**	**19**	10	2.5	1.3	0.83
Vinyl chloride[3]	11,000	65	1,100	22	**28**	< 0.16	**30**	< 0.20	< 0.16	< 0.84	<0.74	<0.76

Footnotes:

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-6	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102 DUP
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res.[4,5]**	**Res.[4]**	**7/17/2019**	**11/25/2011**	**10/24/2012**	**1/29/2014**	**7/23/2014**	**7/22/2015**	**7/20/2016**	**07/25/2017**	**07/25/2017**
VOC													
cis-1,2-Dichloroethene	NE	NE	NE	NE	<0.84	1,940 *IS	45	0.56	< 0.16	0.24	< 0.46	< 0.39	< 0.39
trans-1,2-Dichloroethene	NE	NE	NE	NE	<0.84	< 400 *IS*D	< 3.4	< 0.14	< 0.16	< 0.17	< 0.28	< 0.77	< 0.76
1,2-Dichloroethene	NE	NE	NE	NE	NA	1,940	45	0.56	< 0.16	NA	NA	NA	NA
Tetrachloroethene	27,000	620	2,700	210	**220**	**4,620 *IS**	**1,200**	2	0.17	< 0.17	**400**	**820**	**810**
Trichloroethene	1,600	39	160	13	5.4	**1,770 *IS**	**240**	1.2	< 0.16	0.17	**56**	**75**	**74**
Vinyl chloride[3]	11,000	65	1,100	22	<0.84	< 400 *IS*D	< 3.4	< 0.14	< 0.16	< 0.017	< 0.42	< 0.30	< 0.30

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-102	VP-102	VP-102 DUP	VP-102	VP-102 DUP	VP-102	VP-102 DUP	VP-102
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res.[4,5]**	**Res.[4]**	**10/18/2018**	**11/27/2018**	**11/27/2018**	**12/17/2018**	**12/17/2018**	**7/16/2019**	**7/16/2019**	**10/8/2019**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 1.6	<1.2	<1.2	<0.77	<0.77	<5.2	<5.1	<3.4
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 1.6	<1.2	<1.2	<0.77	<0.77	<5.2	<5.1	<3.4
1,2-Dichloroethene	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	27,000	620	2,700	210	**380**	**260**	**260**	190	190	**1100**	**1100**	**890**
Trichloroethene	1,600	39	160	13	**38**	**15**	**18**	13	13	**88**	**89**	**74**
Vinyl chloride[3]	11,000	65	1,100	22	< 1.6	<1.2	<1.2	<0.77	<0.77	<5.2	<5.1	<3.4

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-114	VP-114	VP-114	VP-114	VP-114
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res.[4,5]	Res.[4]	11/25/2011	10/24/2012	7/15/2013	1/29/2014	7/23/2014
VOC									
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 400 *IS*D	< 0.16	< 0.15	< 0.14	< 0.16
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 400 *IS*D	< 0.16	< 0.15	< 0.14	< 0.16
1,2-Dichloroethene	NE	NE	NE	NE	< 400	< 0.16	< 0.15	< 0.14	< 0.16
Tetrachloroethene	27,000	620	2,700	210	**2,540 *IS**	10	24	< 0.14	2.9
Trichloroethene	1,600	39	160	13	< 400 *IS*D	< 0.16	< 0.15	< 0.14	< 0.16
Vinyl chloride[3]	11,000	65	1,100	22	< 400 *IS*D	< 0.16	< 0.15	< 0.14	< 0.16

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-126	VP-126	VP-126	VP-126	VP-126	VP-126	VP-126	VP-126 DUP
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res. [4,5]	Res. [4]	11/25/2011	10/24/2012	7/15/2013	1/29/2014	7/23/2014	7/24/2015	7/20/2016	7/20/2016
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 200 *D	< 0.16	< 0.16	< 0.14	< 0.17	< 0.17	< 0.22	< 0.24
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 200 *D	< 0.16	< 0.16	< 0.14	< 0.17	< 0.17	< 0.13	< 0.14
1,2-Dichloroethene	NE	NE	NE	NE	< 200	< 0.16	< 0.16	< 0.14	< 0.17	NA	NA	NA
Tetrachloroethene	27,000	620	2,700	210	**452**	1.4	4.4	< 0.14	0.48	0.75	< 0.16	< 0.17
Trichloroethene	1,600	39	160	13	< 200 *D	< 0.16	< 0.16	< 0.14	< 0.17	< 0.17	< 0.25	< 0.27
Vinyl chloride[3]	11,000	65	1,100	22	< 200 *D	< 0.16	< 0.16	< 0.14	< 0.17	< 0.017	< 0.20	< 0.21

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Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-126	VP-126 DUP	VP-126	VP-126	VP-126	VP-202	VP-202
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res.[4,5]	Res.[4]	10/08/2018	10/08/2018	11/27/2018	12/17/2018	7/16/2019	11/25/2011	10/24/2012
VOC											
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.88	1.4	<0.73	<0.78	<0.84	< 0.085 *IS	< 0.16
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.88	< 0.82	<0.73	<0.78	<0.84	< 0.085 *IS	< 0.16
1,2-Dichloroethene	NE	NE	NE	NE	NA	NA	NA	NA	NA	< 0.085	< 0.16
Tetrachloroethene	27,000	620	2,700	210	< 0.88	< 0.82	0.98	<0.78	11	5.7 *IS	9.1
Trichloroethene	1,600	39	160	13	< 0.88	< 0.82	<0.73	<0.78	<0.84	< 0.085 *IS	0.58
Vinyl chloride[3]	11,000	65	1,100	22	< 0.88	< 0.82	<0.73	<0.78	<0.84	< 0.085 *IS	< 0.16

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

> = greater than

-- = not designated

*D = limit of detection not achievable due to dilution

*IS = the internal standard quality control limit is exceeded

AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-202	VP-202	VP-210	VP-210	VP-210	VP-210	VP-210	VP-210
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res. [4,5]	Res. [4]	7/16/2013	1/30/2014	11/25/2011	10/25/2012	7/16/2013	1/30/2014	7/23/2014	7/24/2015
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.16	< 0.14	< 0.085 *IS	< 0.17	< 0.15	< 0.14	< 0.17	< 0.17
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.16	< 0.14	< 0.085 *IS	< 0.17	< 0.15	< 0.14	< 0.17	< 0.17
1,2-Dichloroethene	NE	NE	NE	NE	< 0.16	< 0.14	< 0.085	< 0.17	< 0.15	< 0.14	< 0.17	NA
Tetrachloroethene	27,000	620	2,700	210	8	1.5	3.22	3.9	3.6	< 0.14	5.4	5.2
Trichloroethene	1,600	39	160	13	< 0.16	< 0.14	< 0.085 *IS	< 0.17	0.26	< 0.14	< 0.17	< 0.17
Vinyl chloride[3]	11,000	65	1,100	22	< 0.16	< 0.14	< 0.085 *IS	< 0.17	< 0.15	< 0.14	< 0.17	< 0.017

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

> = greater than

-- = not designated

*D = limit of detection not achievable due to dilution

*IS = the internal standard quality control limit is exceeded

AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-210	VP-210	VP-210	VP-210	VP-210	VP-210	VP-222	VP-222
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res. [4,5]**	**Res. [4]**	**7/22/2016**	**07/25/2017**	**10/08/2018**	**11/27/2018**	**12/17/2018**	**7/16/2019**	**11/25/2011**	**10/25/2012**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.23	< 0.095	< 0.92	<0.75	<0.75	<0.86	< 20 *D	< 0.49
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.14	< 0.19	< 0.92	<0.75	<0.75	<0.86	< 20 *D	< 0.49
1,2-Dichloroethene	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	< 20	< 0.49
Tetrachloroethene	27,000	620	2,700	210	5.1	7.8	3.0	1.2	1.0	7.9	77	120
Trichloroethene	1,600	39	160	13	< 0.26	< 0.12	< 0.92	<0.75	<0.75	<0.86	< 20 *D	< 0.49
Vinyl chloride[3]	11,000	65	1,100	22	< 0.21	< 0.074	< 0.92	<0.75	<0.75	<0.86	< 20 *D	< 0.49

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

> = greater than

-- = not designated

*D = limit of detection not achievable due to dilution

*IS = the internal standard quality control limit is exceeded

AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-222	VP-222	VP-222	VP-237	VP-237	VP-237	VP-237	VP-237
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res. [4,5]	Res. [4]	7/16/2013	1/30/2014	7/23/2014	11/25/2011	10/25/2012	7/17/2013	1/30/2014	7/23/2014
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.92	< 0.14	< 0.89	< 20	< 0.16	< 0.16	< 0.14	< 0.33
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.92	< 0.14	< 0.89	< 20	< 0.16	< 0.16	< 0.14	< 0.33
1,2-Dichloroethene	NE	NE	NE	NE	< 0.92	< 0.14	< 0.89	< 20	< 0.16	< 0.16	< 0.14	< 0.33
Tetrachloroethene	27,000	620	2,700	210	**280**	22	150	53	63	30	3.6	59
Trichloroethene	1,600	39	160	13	< 0.92	< 0.14	< 0.89	< 20	< 0.16	< 0.16	< 0.14	< 0.33
Vinyl chloride[3]	11,000	65	1,100	22	< 0.92	< 0.14	< 0.89	< 20	< 0.16	< 0.16	< 0.14	< 0.33

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

> = greater than

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*D = limit of detection not achievable due to dilution

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AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-237	VP-237	VP-237	VP-237	VP-237	VP-249	VP-249	VP-249
Sample Date	**Non-Res.[1,2]**	**Res.[1,2]**	**Non-Res. [4,5]**	**Res. [4]**	**7/24/2015**	**10/08/2018**	**11/28/2018**	**12/17/2018**	**7/17/2019**	**11/25/2011**	**10/25/2012**	**7/17/2013**
VOC												
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.17	< 0.86	<0.74	<0.76	<0.82	< 0.085	< 0.16	< 0.14
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.17	< 0.86	<0.74	<0.76	<0.82	< 0.085	< 0.16	< 0.14
1,2-Dichloroethene	NE	NE	NE	NE	NA	NA	NA	NA	NA	< 0.085	< 0.16	< 0.14
Tetrachloroethene	27,000	620	2,700	210	43	19	9.5	7.1	38	8.44	23	3.3
Trichloroethene	1,600	39	160	13	< 0.17	< 0.86	<0.74	<0.76	<0.82	< 0.085	< 0.16	< 0.14
Vinyl chloride[3]	11,000	65	1,100	22	< 0.017	< 0.86	<0.74	<0.76	<0.82	< 0.085	< 0.16	< 0.14

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

< = constituent not detected above noted laboratory method detection limit

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AF = Attenuation Factor

NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

Table 17: Soil Gas Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Sample Location	Deep Soil Gas		Sub-Slab Vapor		VP-261	VP-261	VP-261	VP-261	VP-261	VP-261
Sample Date	Non-Res.[1,2]	Res.[1,2]	Non-Res.[4,5]	Res.[4]	11/28/2011	7/17/2013	1/30/2014	7/23/2014	7/23/2014	7/24/2015
VOC										
cis-1,2-Dichloroethene	NE	NE	NE	NE	< 0.085 *IS	< 0.15	< 0.13	< 0.16	< 0.16	< 0.17
trans-1,2-Dichloroethene	NE	NE	NE	NE	< 0.085 *IS	< 0.15	< 0.13	< 0.16	< 0.16	< 0.17
1,2-Dichloroethene	NE	NE	NE	NE	< 0.085	< 0.15	< 0.13	< 0.16	< 0.16	NA
Tetrachloroethene	27,000	620	2,700	210	< 0.085 *IS	1.2	1.2	5.0	4.3	15
Trichloroethene	1,600	39	160	13	< 0.085 *IS	< 0.15	< 0.13	< 0.16	< 0.16	< 0.17
Vinyl chloride[3]	11,000	65	1,100	22	< 0.085 *IS	< 0.15	< 0.13	< 0.16	< 0.16	< 0.017

Footnotes:

Updated By: L. Auner, 10/29/2019
Checked By: L. Hoerning, 10/29/2019

1 = VALs in accordance with *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin*, http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf

2 = Non-Res. Deep Soil Gas VAL used 0.001 AF; Res. Deep Soil Gas VAL used 0.01 AF

3 = Vinyl chloride was analyzed using the modified EPA Method TO-15 GC/MS SIM for the July 22, 2015 and July 24, 2015 monitoring event. For monitoring points where no detection was present, the concentration is noted less than the reporting limit.

4 = VRSL values from *WI Vapor Quick Look-Up Table, https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf*

5 = Non-Res. corresponds to Large Commercial/Industrial category of *WI Vapor Quick Look-Up Table*

Notes:

All concentrations presented in this table are reported in parts per billion by volume (ppbv) unless otherwise noted.

Res./Non-Res. VAL provided for comparison purposes.

All values compared to residential sub-slab vapor risk screening levels (VRSLs)

BOLD = result is equal to or exceeds residential sub-slab VRSL

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NE = Criteria Not Established

NA= Not Analyzed

DUP = Duplicate sample collected

Res. = Residential

VAL = Vapor Action Level

VOCs = Volatile Organic Compounds

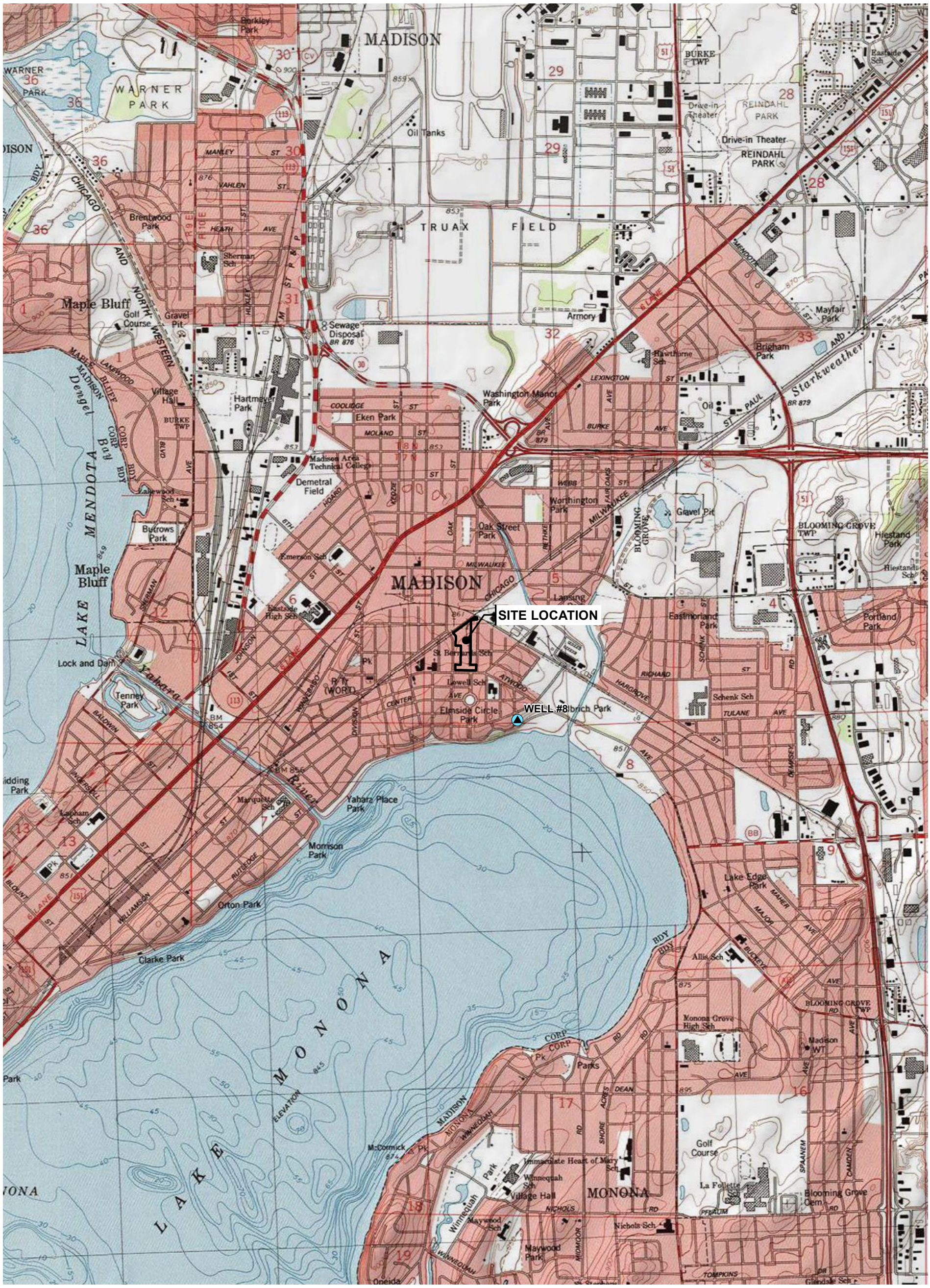
Table 18: Storm Sewer System Sediment Sampling Analytical Results Summary
Madison-Kipp Corporation
201 Waubesa Street, Madison, Wisconsin

		NR 720 RCL	MH-1A											OUTFALL SAMPLE							
Parameter	Unit[2]	Industrial Direct Contact[1]	Storm Sewer	MH-1A(3)-Basin	MH-1A 9/22/17	MH-1A (10/6/17)	MH-1A (10/17/17)	MH-1A-022118	MH-1A-051018	MH-1A-082318	MH-1A 100818	MH-1A (5/30/2019)	MH-1A (100819)	Pipe	Outfall (6/30)	Outfall 9/22/17	Outfall Pipe-051018	Outfall-082318	Outfall 100818	Outfall (5/30/2019)	Outfall (100819)
Sample Date	--	--	12/28/2016	6/30/2017	9/22/2017	10/6/2017	10/17/2017	2/21/2018	5/10/2018	8/23/2018	10/8/2018	5/30/2019	10/8/2019	12/19/2016	6/30/2017	9/22/2017	5/10/2018	8/23/2018	10/8/2018	5/30/2019	10/8/2019
Matrix	--	--	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB-1016	mg/kg	28	<0.011	<0.0092	<0.0089	<0.0097	<0.010	<0.0094	<0.0083	<0.0053	<0.0058	<0.0058	<0.0059	<0.0095	<0.0086	<0.011	<0.0099	<0.0061	<0.0067	<0.0080	<0.0059
PCB-1221	mg/kg	0.883	<0.0059	<0.0051	<0.0049	<0.0054	<0.0057	<0.0052	<0.0046	<0.0076	<0.0084	<0.0083	<0.0084	<0.0053	<0.0048	<0.0061	<0.0055	<0.0088	<0.0096	<0.011	<0.0085
PCB-1232	mg/kg	0.792	<0.0040	<0.0035	<0.0034	<0.0037	<0.0039	<0.0036	<0.0031	<0.0050	<0.0056	<0.0055	<0.0056	<0.0036	<0.0032	<0.0042	<0.0038	<0.0059	<0.0064	<0.0076	<0.0057
PCB-1242	mg/kg	0.972	<0.0063	<0.0055	<0.0053	<0.0058	<0.0061	<0.0056	<0.0049	<0.010	<0.011	<0.011	<0.012	<0.0057	<0.0051	<0.0066	<0.0059	<0.012	<0.013	<0.016	<0.012
PCB-1248	mg/kg	0.975	***3.6***	***2.2***	0.11	0.23	0.71	0.33	0.15	0.14	0.16	0.24	0.11 J	***9.2***	***5.0***	***4.0***	***1.9***	0.32	0.57	0.43	0.33
PCB-1254	mg/kg	0.988	<0.0063	<0.0055	<0.0053	<0.0058	<0.0061	<0.0056	<0.0049	<0.0084	<0.0093	<0.0092	<0.0093	<0.0057	<0.0051	<0.0066	<0.0059	<0.0097	<0.011	<0.013	<0.0094
PCB-1260	mg/kg	1	<0.0034	<0.003	<0.0029	<0.0031	<0.0033	<0.0031	<0.0027	<0.0081	<0.0090	<0.0089	<0.0091	0.37	<0.0028	<0.0036	<0.0032	<0.0095	<0.010	<0.012	<0.0091
Total PCBs	mg/kg	0.967	***3.6***	***2.2***	0.11	0.23	0.71	0.33	0.15	0.14	0.16	0.24	0.11 J	***9.6***	***5.0***	***4.0***	***1.9***	0.32	0.57	0.43	0.33

Notes:
< = Less than
mg/kg = Milligrams per kilogram
J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
µg/L = Micrograms per liter
RCL = residual contaminant level
PCBs = Polychlorinated Biphenyls
Bold and Italics = WDNR Industrial Direct Contact Limit Exceedance

Updated by: B. Wachholz 11/27/2019
Checked by: A. Stehn 12/28/2019

Footnotes:
(1) The total PCBs and specific aroclors are compared to the WDNR industrial direct contact residual contaminant levels (June 2018).
(2) Samples are reported in mg/kg unless otherwise noted.



LEGEND

SITE PROPERTY BOUNDARY

MUNICIPAL SUPPLY WELL

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES, "USA TOPO MAPS" WEB BASEMAP SERVICE LAYER.

0 2,000 4,000 FEET

1 " = 2,000 '
1:24,000

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

PROJECT:

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:

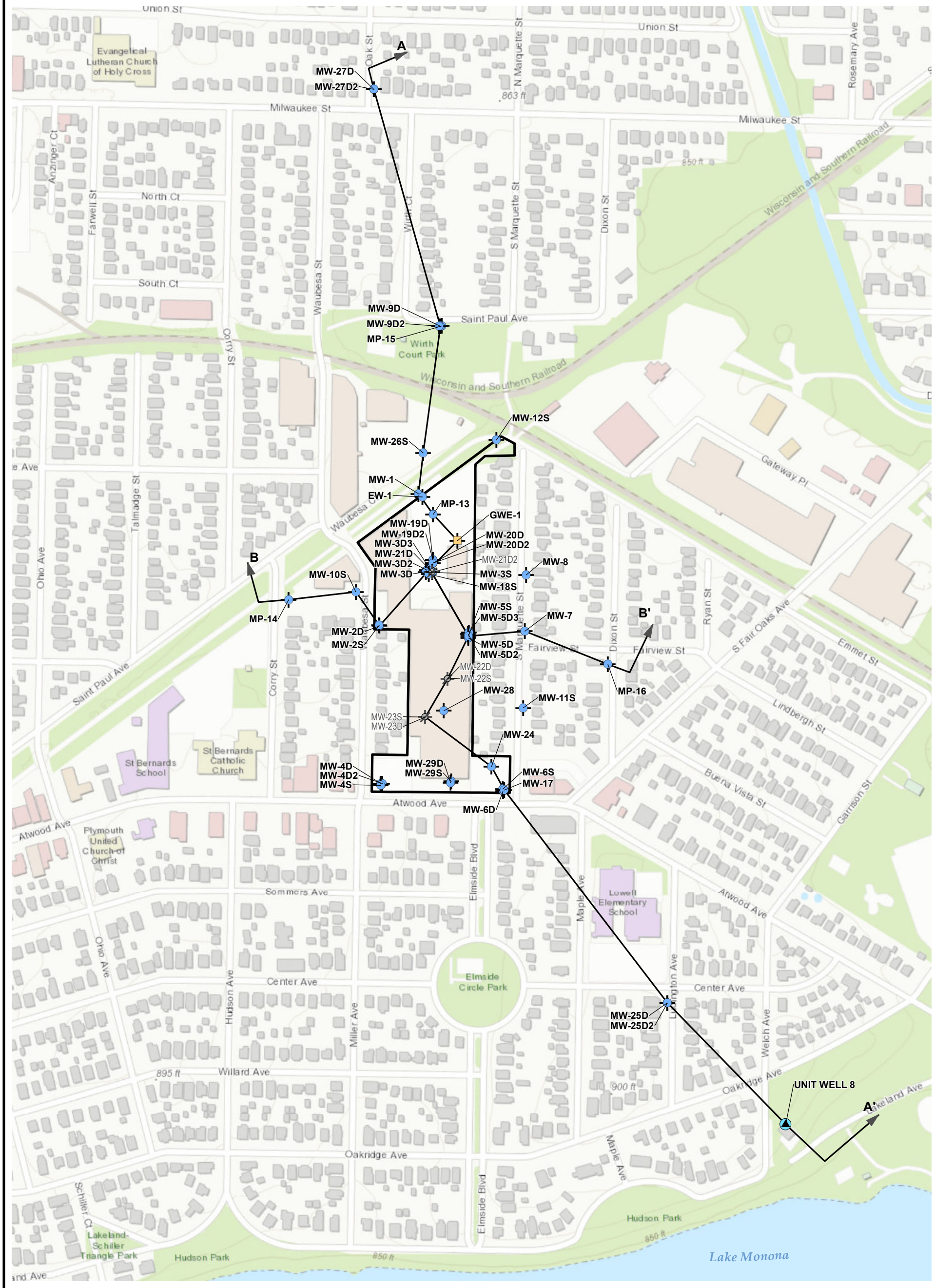
SITE LOCATION MAP

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-001slm.mxd

FIGURE 1

Plot Date: 4/2/2020, 09:55:30 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\MadisonKIPPCorp\MadisonWI\Madison_Archive\2020_372148\372148-002-002.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- CROSS SECTION
- GROUNDWATER EXTRACTION WELL
- MONITORING WELL
- MUNICIPAL SUPPLY WELL
- ABANDONED MONITORING WELL

BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.

0 300 600 FEET

1 " = 300 '
1:3,600

N

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

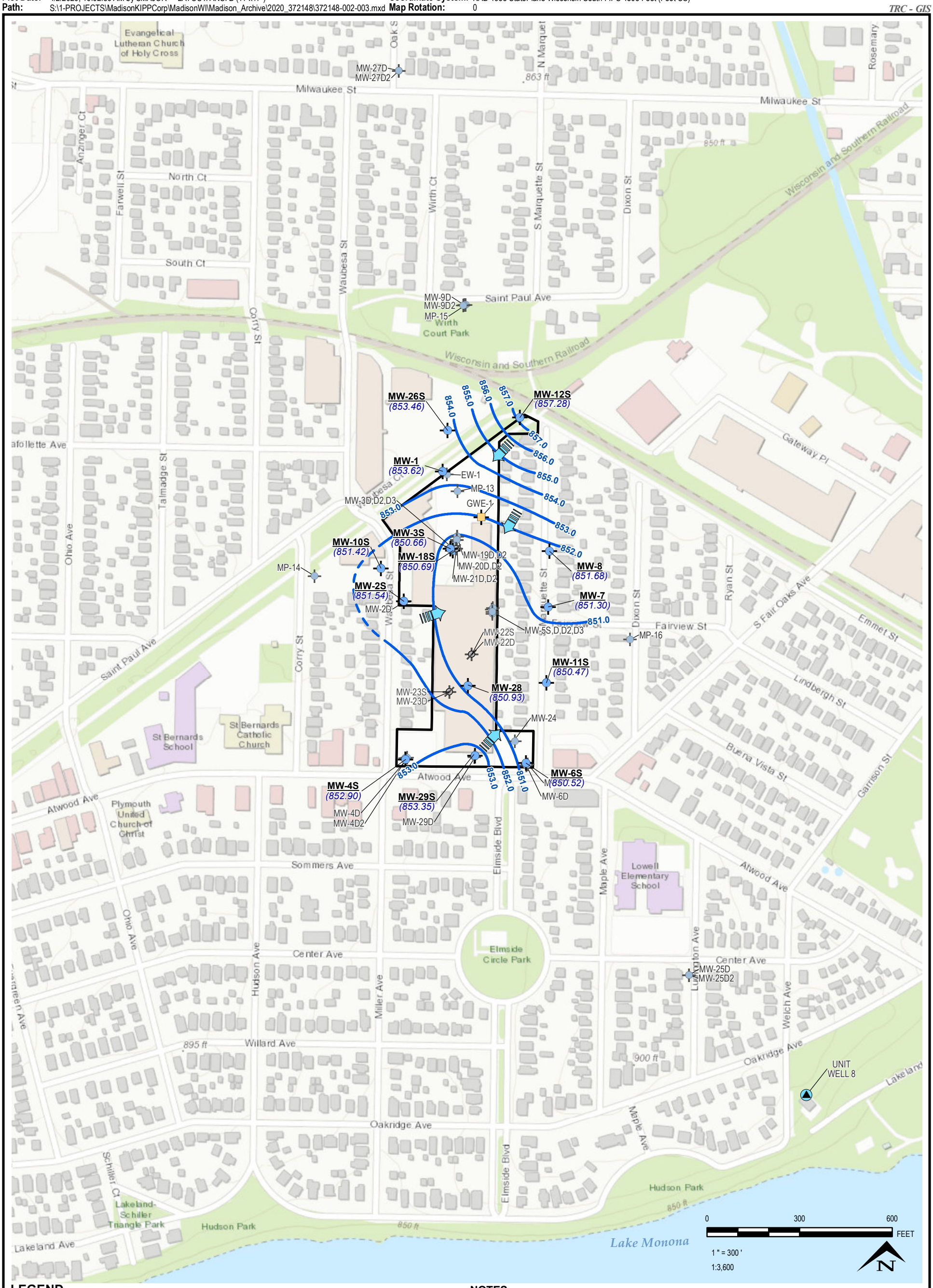
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
WELL LOCATIONS MAP

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-002.mxd

FIGURE 2

Plot Date: 4/2/2020, 10:02:56 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\MadisonKIPPCorp\MadisonWI\Madison_Archive\2020_372148\372148-002-003.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1' INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE WATER TABLE LIES WITHIN UNCONSOLIDATED SEDIMENTS WHICH ARE PRESENT TO A DEPTH OF APPROXIMATELY 35 FT BELOW GROUND SURFACE (835 FT ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 7, 2019.

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600

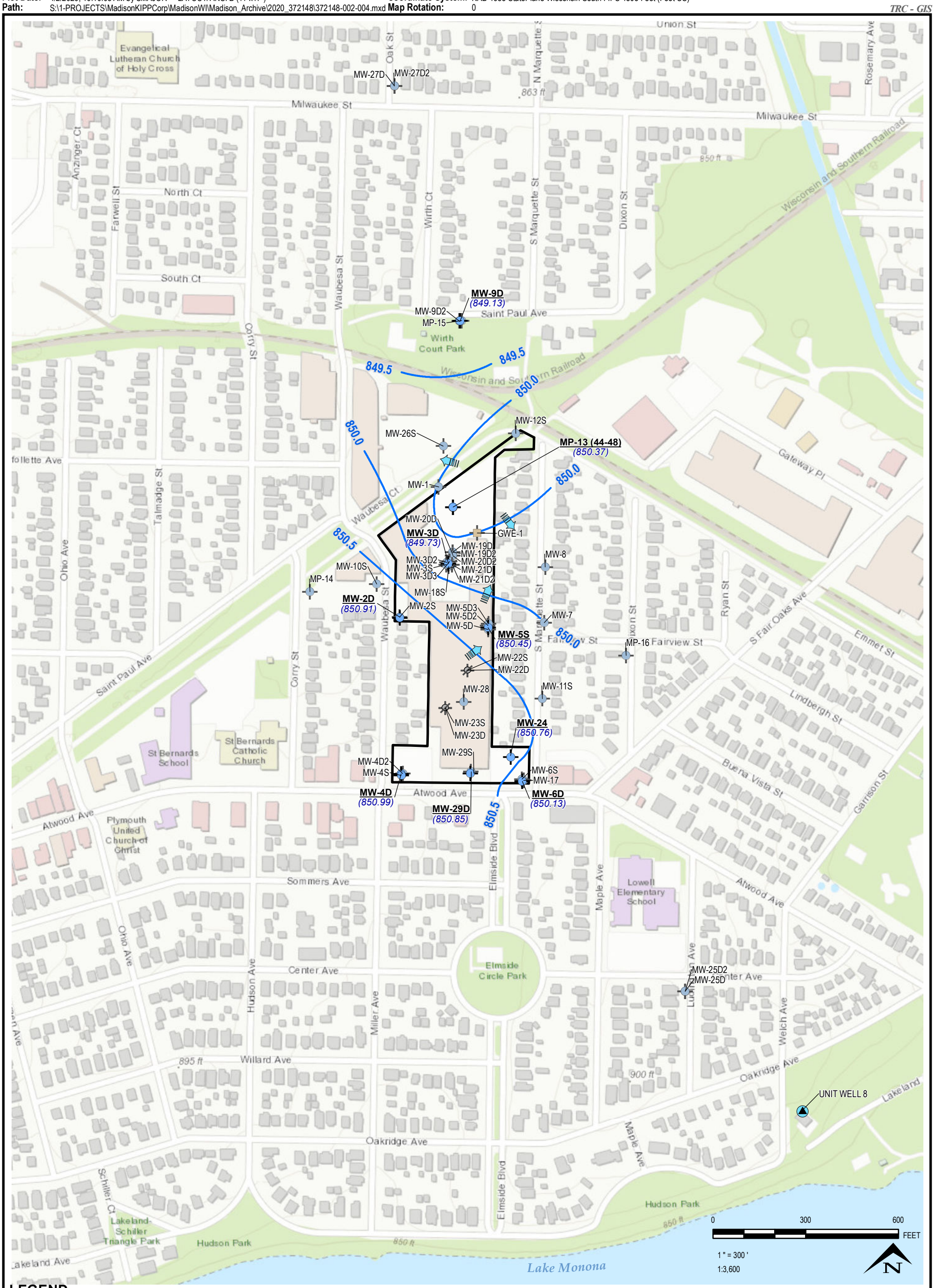
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
WATER TABLE ELEVATIONS OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-003.mxd

FIGURE 3

Plot Date: 4/2/2020, 10:10:08 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\MadisonKIPPCorp\MadisonWI\Madison_Archive\2020_372148\372148-002-004.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP IMAGERY FROM, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.
2. THE UPPER LONE ROCK FORMATION IS INTERPRETED TO BE APPROXIMATELY 35-60 FEET BELOW GROUND SURFACE (835-810 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUND WATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 7, 2019.

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Phone: 608.826.3600

PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
UPPER LONE ROCK FORMATION POTENTIOMETRIC SURFACE OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-004.mxd

FIGURE 4

Plot Date: 4/2/2020, 10:14:17 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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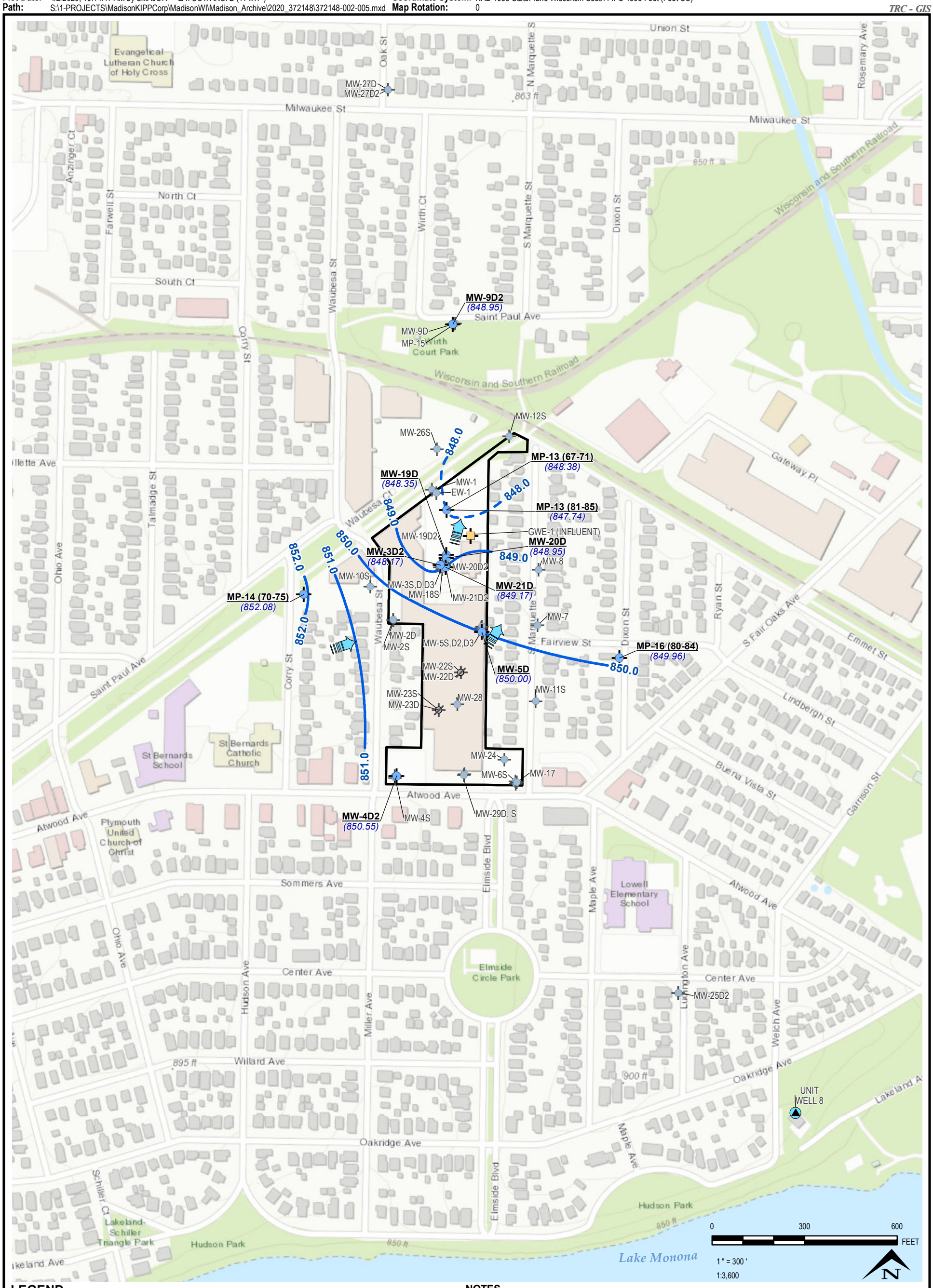
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1' FT INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE LOWER LONE ROCK FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 60 -100 FEET BELOW GROUND SURFACE (810 -770 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF TH IS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 7, 2019.
5. MW-3D2 NOT USED FOR CONTOURING.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
LOWER LONE ROCK FORMATION POTENTIOMETRIC SURFACE OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-005.mxd

FIGURE 5

Plot Date: 4/2/2020, 10:17:15 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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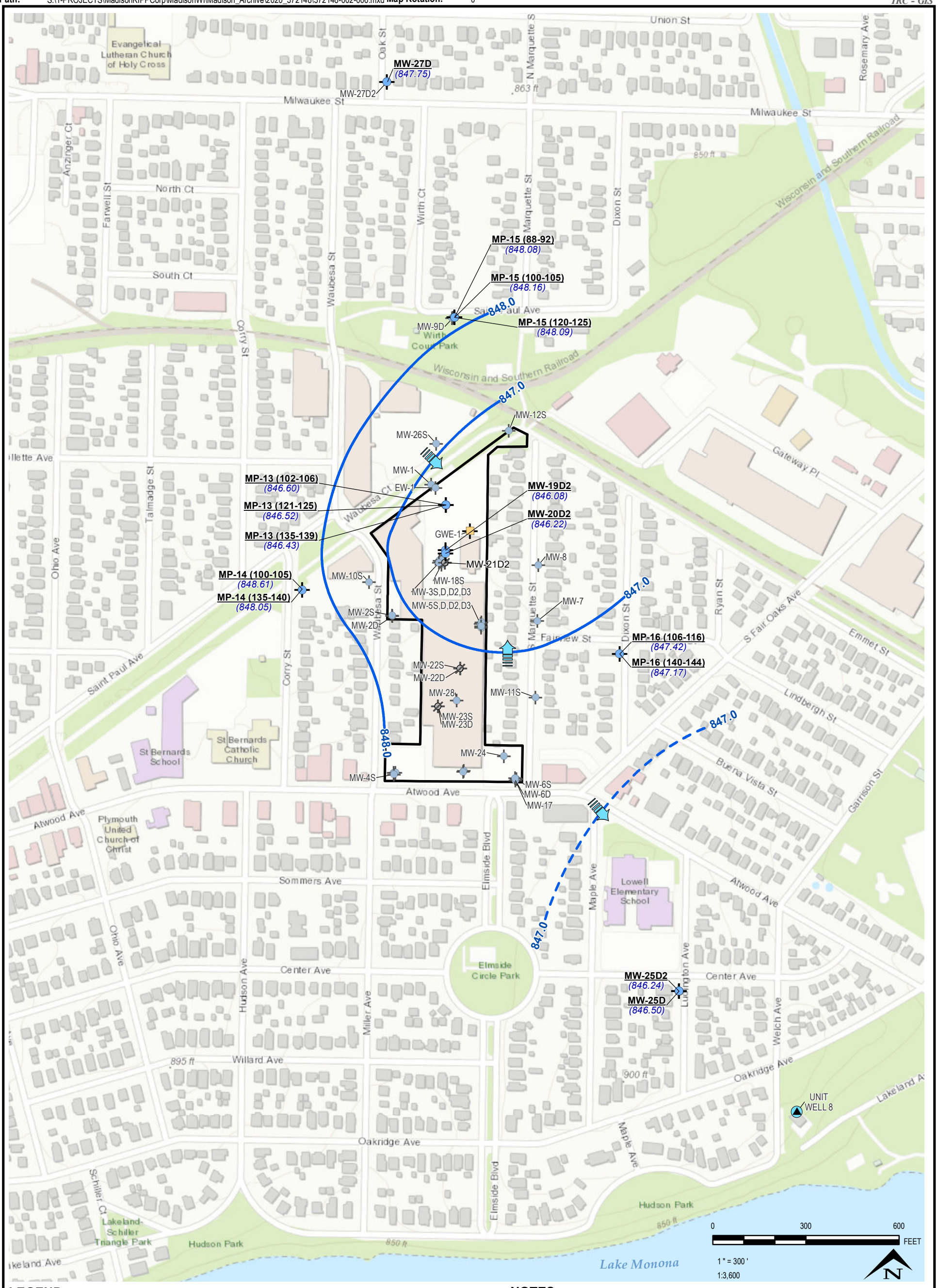
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1' FT INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE UPPER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 100-155 FEET BELOW GROUND SURFACE (770-715 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 7, 2019.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
UPPER WONEWOC FORMATION POTENTIOMETRIC SURFACE OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
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FIGURE 6

Plot Date: 4/1/2020, 15:34:23 PM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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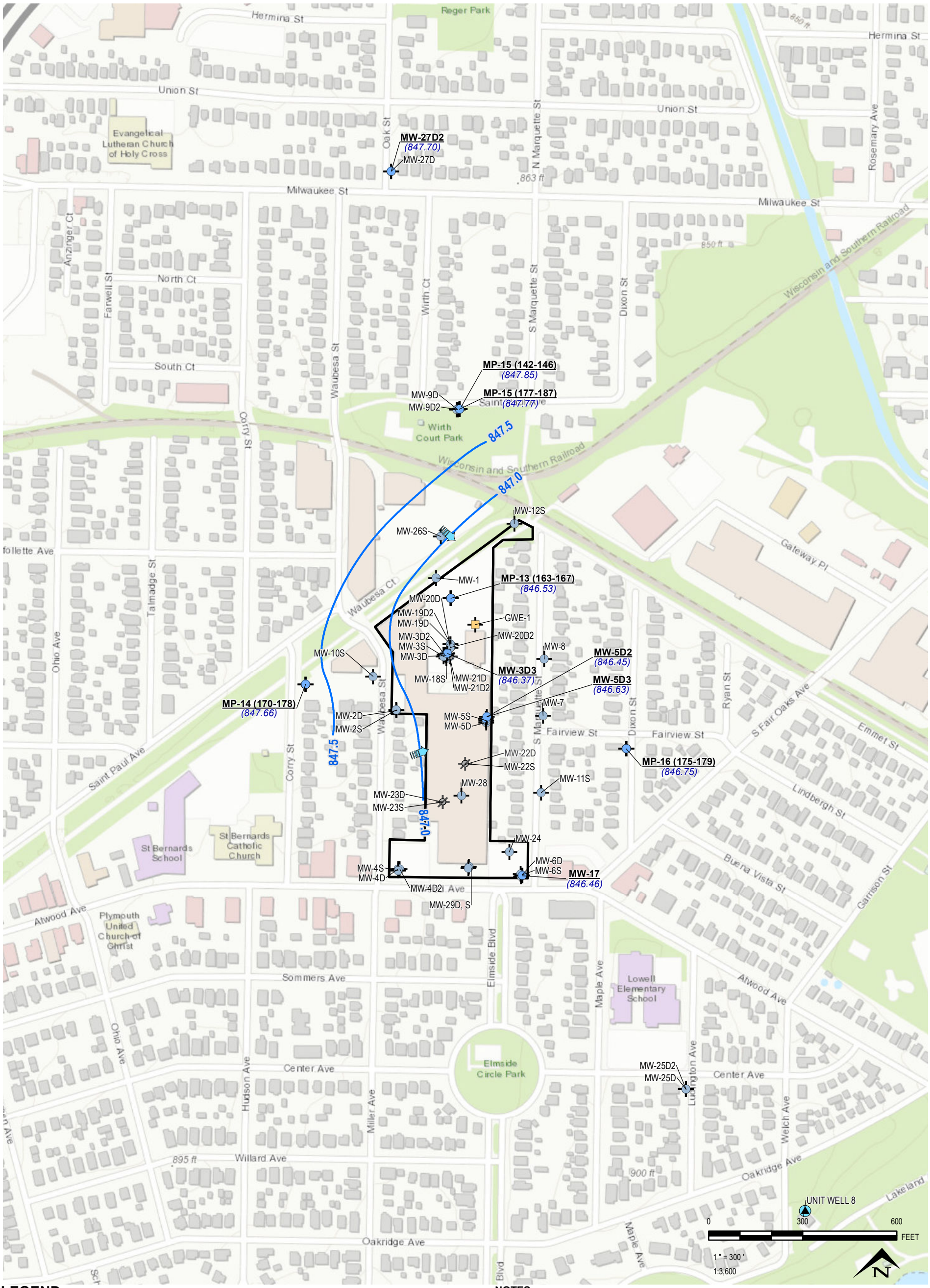
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL, DASHED WHERE INFERRED)
- GROUNDWATER FLOW
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL

NOTES

1. BASE MAP IMAGERY FROM ESRI, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.
2. THE LOWER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 155 - 240 FEET BELOW GROUND SURFACE (715 - 630 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 7, 2018.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
LOWER WONEWOC FORMATION POTENTIOMETRIC SURFACE OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-007.mxd

FIGURE 7

Plot Date: 4/1/2020, 15:38:45 PM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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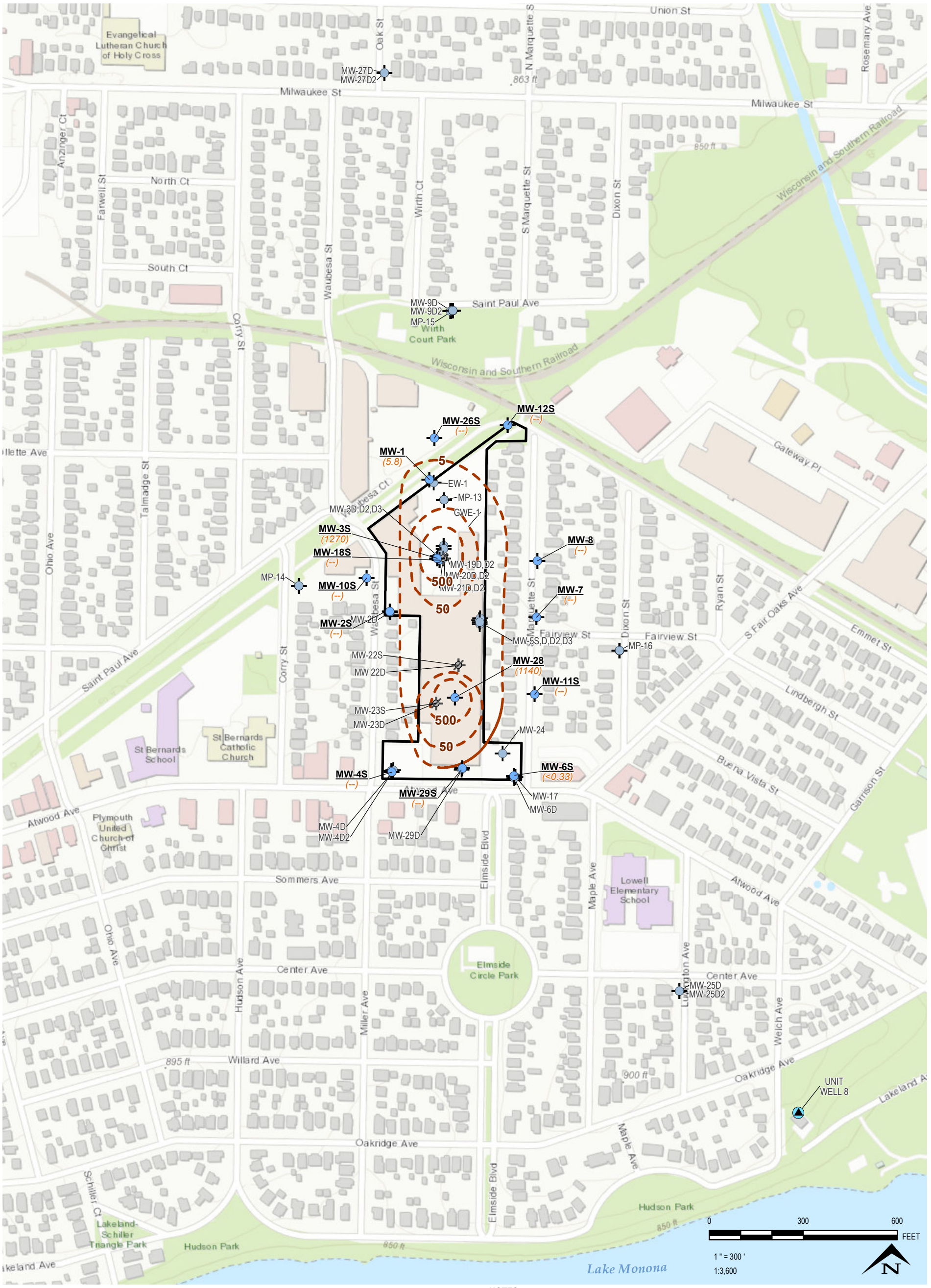
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- MUNICIPAL SUPPLY WELL
- (7.5) PCE CONCENTRATION [µg/L]
- (--) NOT SAMPLED
- PCE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE WATER TABLE LIES WITHIN UNCONSOLIDATED SEDIMENTS WHICH ARE PRESENT TO A DEPTH OF APPROXIMATELY 35 FT BELOW GROUND SURFACE (835 FT ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY A RE NOT PART OF THIS GROUNDWATER UNIT.
4. WELLS SAMPLED 10/0 8/2019-10/16/2019.
5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
WATER TABLE
TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS
OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-008.mxd

FIGURE 8

Plot Date: 4/1/2020, 15:42:14 PM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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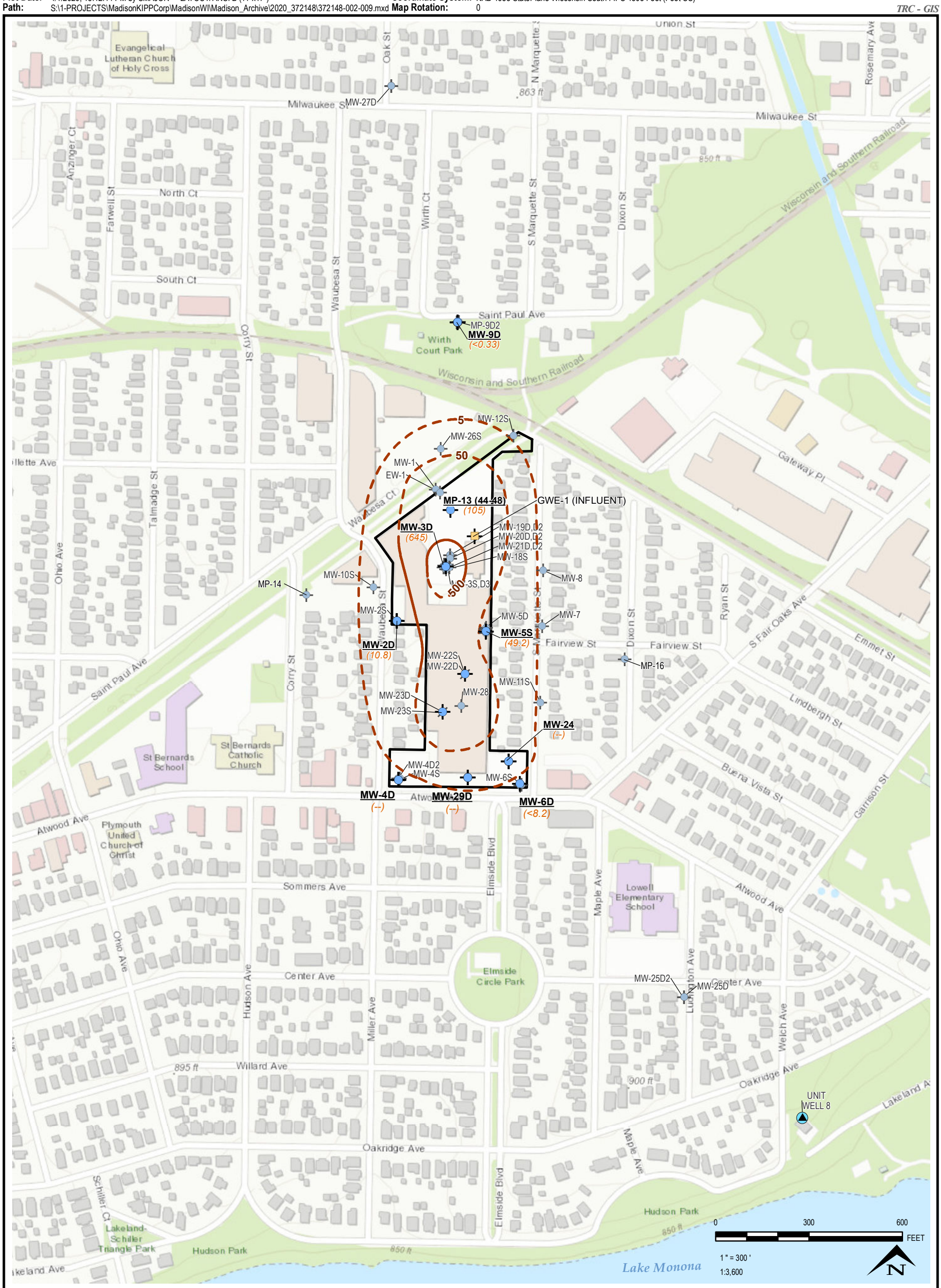
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL
- (7.5) PCE CONCENTRATION [µg/L]
- (--) NOT SAMPLED
- PCE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE UPPER LONE ROCK FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 35-60 FEET BELOW GROUND SURFACE (835-810 FEET ABOVE MEAN SEA LEVEL.
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. WELLS SAMPLED 10/08/2019-10/16/2019.
5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
UPPER LONE ROCK FORMATION TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-009.mxd

FIGURE 9

Plot Date: 4/2/2020, 09:14:10 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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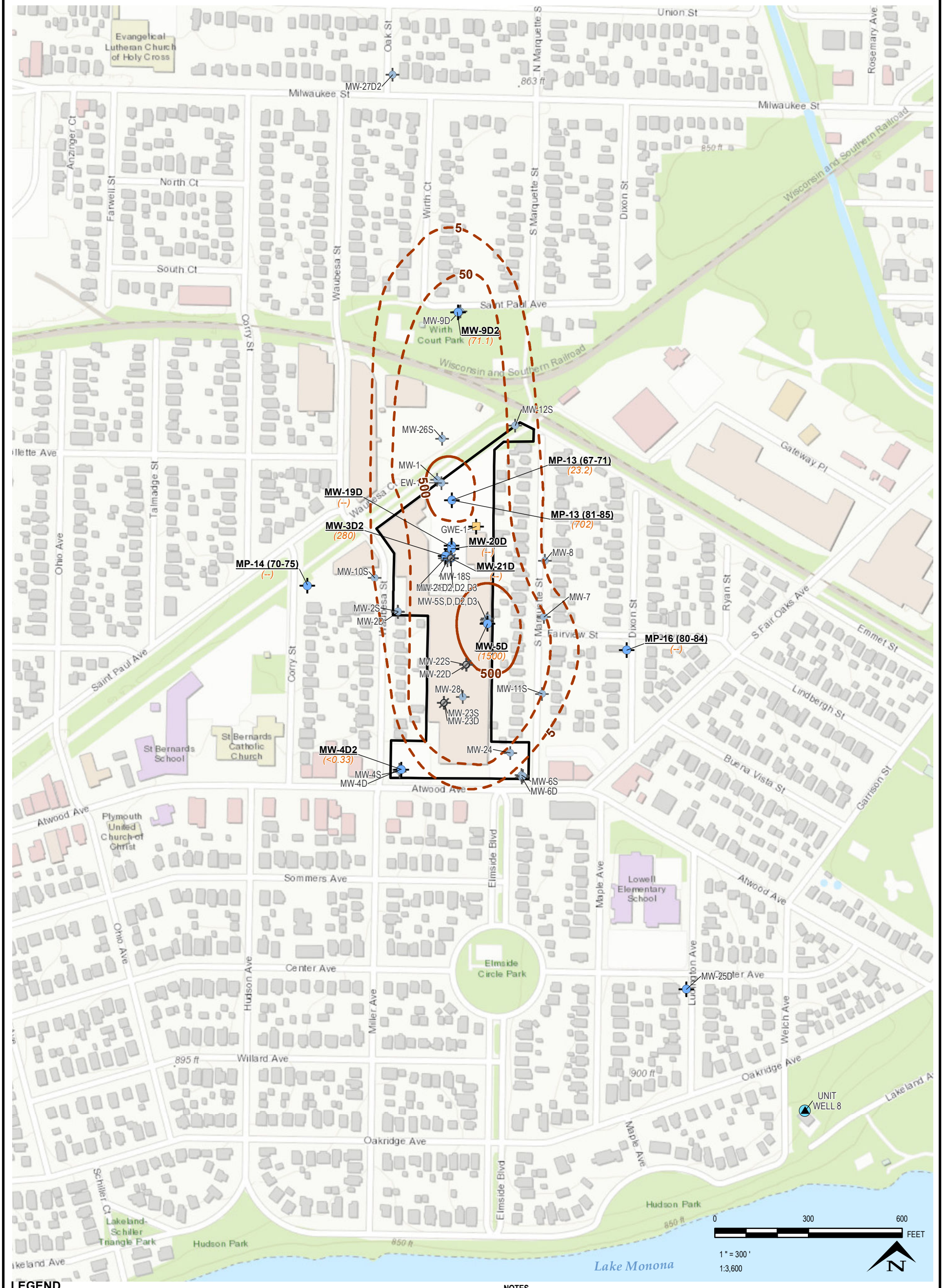
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY BOUNDARY
- ABANDONED MONITORING
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL
- (7.5) PCE CONCENTRATION [µg/L]
- (--) NOT SAMPLED
- PCE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE LOWER LONE ROCK FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 60 – 100 FEET BELOW GROUND SURFACE (810-770 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. WELLS SAMPLED 10/08/2019 –10/16/2019.
5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LAB ORATORY REPORTS.

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PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
LOWER LONE ROCK FORMATION
TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS
OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-010.mxd

FIGURE 10

Plot Date: 4/2/2020, 09:18:05 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
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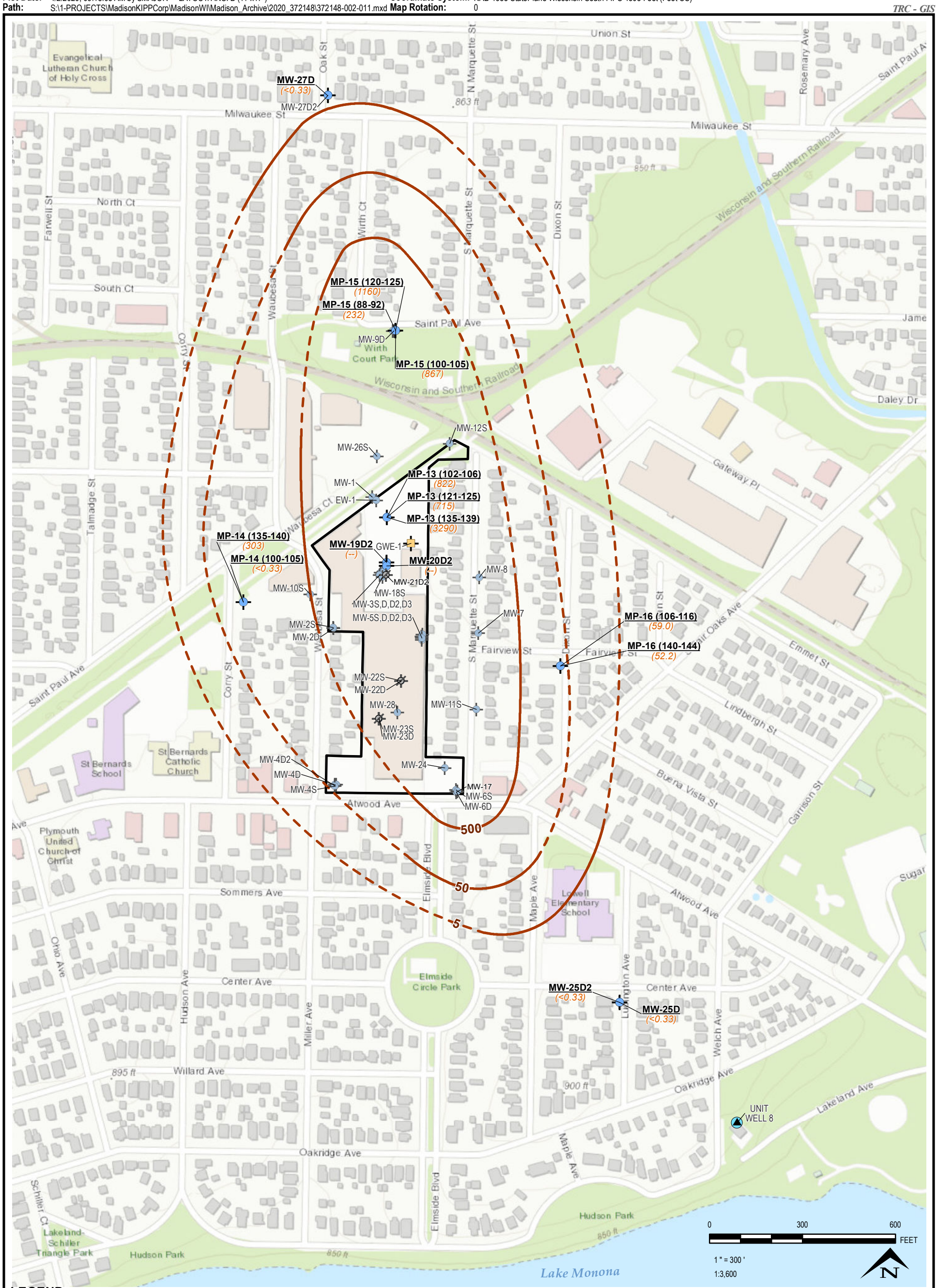
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



LEGEND

- SITE PROPERTY
- GROUNDWATER EXTRACTION
- MONITORING WELL
- MUNICIPAL SUPPLY WELL
- ABANDONED MONITORING
- (7.5) PCE CONCENTRATION [µg/L]
- (--) NOT SAMPLED
- PCE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE UPPER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 100 -155 FEET BELOW GROUND SURFACE (770 – 715 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF T HIS GROUNDWATER UNIT.
4. WELLS SAMPLED 10/08/ 2019-10/16/2019.
5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY R EPORTS.

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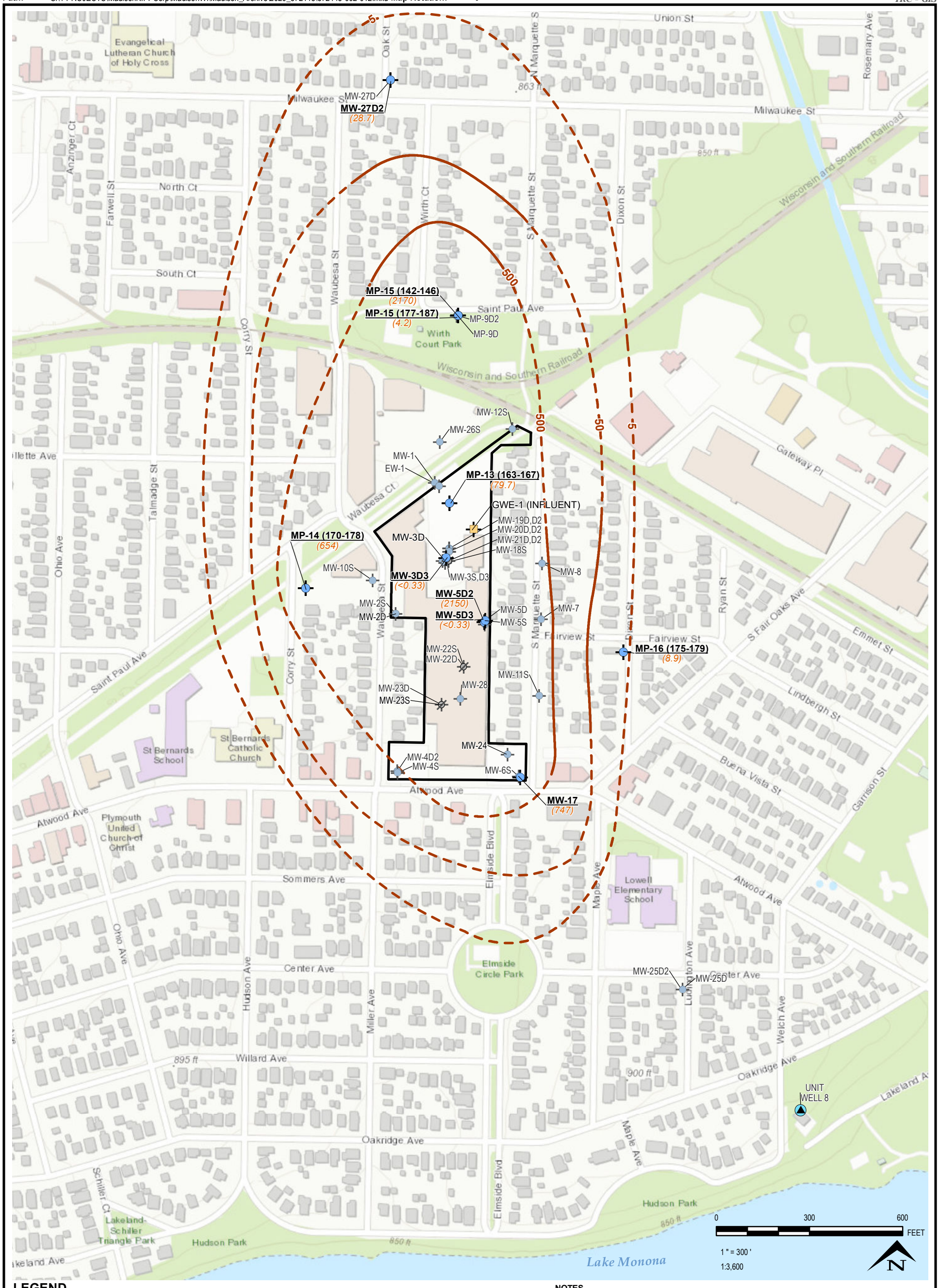
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
UPPER WONEWOC FORMATION
TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS
OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-011.mxd

FIGURE 11



LEGEND

- SITE PROPERTY BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- MUNICIPAL SUPPLY WELL
- (7.5) PCE CONCENTRATION [µg/L]
- (--) NOT SAMPLED
- PCE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER.
2. THE LOWER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 155 -240 FEET BELOW GROUND SURFACE (715 -630 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT .
4. WELLS SAMPLED 10/08/2019-10/16/2019.
5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS .

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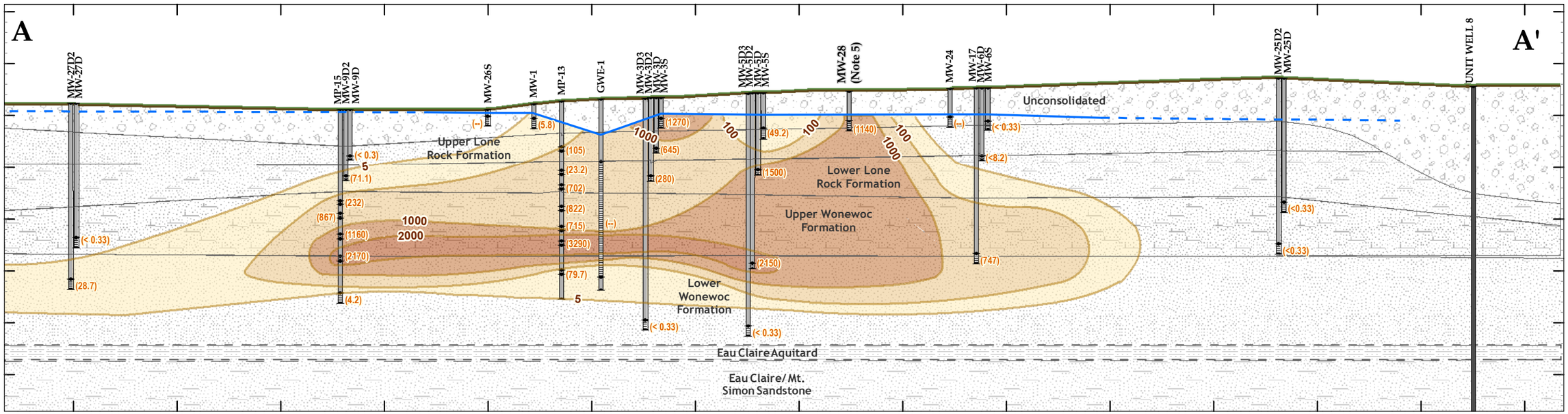
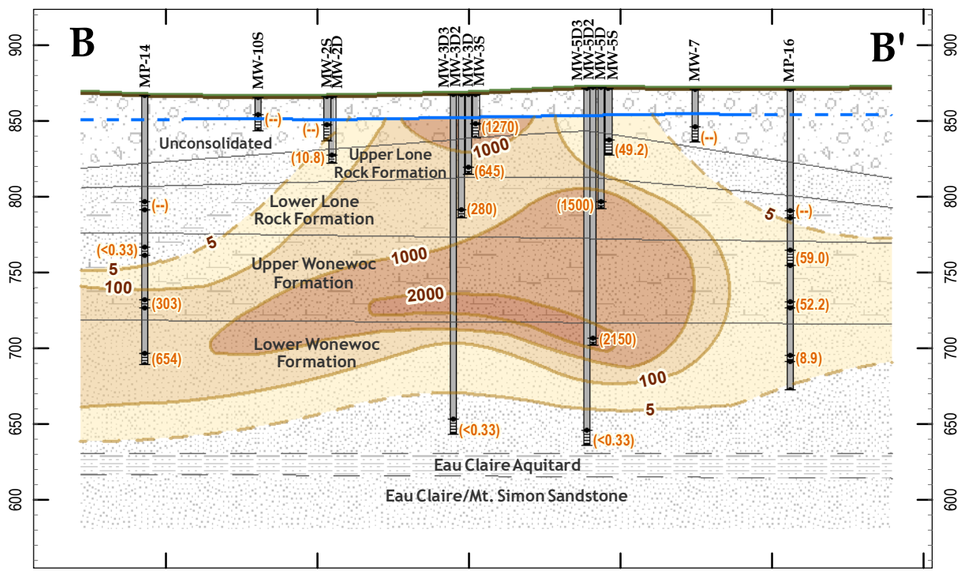
PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
LOWER WONEWOC FORMATION
TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS
OCTOBER 2019

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-012.mxd

FIGURE 12





LEGEND

WELL CONSTRUCTION
- WELL RISER
- WELL CASING
- WELL SCREEN

WATER TABLE ELEVATION

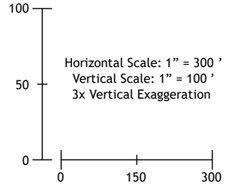
(550) PCE CONCENTRATION [µg/L]

(--) NOT SAMPLED

PCE CONCENTRATIONS IN GROUNDWATER (DASHED WHERE INFERRED)
- < 5 µg/L
- 5 - <100 µg/L
- 100 - <1000 µg/L
- 1000 - <2000 µg/L
- >2000 µg/L

NOTES

1. SEE FIGURE 2 FOR PLAN VIEW CROSS SECTION LOCATIONS.
2. FEATURES SHOWN ARE APPROXIMATE
3. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS.
4. WELLS SAMPLED BETWEEN 10/08/2019-10/16/2019.
5. LOCATION OF MW-28 IS PROJECTED BASED ON CROSS-SECTION A-A' SHOWN ON FIGURE 2.



PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:
GEOLOGIC CROSS SECTIONS A-A' AND B-B' TETRACHLOROETHENE (PCE) CONCENTRATIONS - OCTOBER 2019

DRAWN BY:	A. ADAIR	PROJ NO.:	372148
CHECKED BY:	A. STEHN		
APPROVED BY:	K. VATER		**FIGURE 13**
DATE:	APRIL 2020		

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FILE NO.: 372148-002-013Asm.mxd

TRC - GIS
Coordinate System: (None Defined)
Map Rotation: 0
Plot Date: 4/2/2020, 09:36:04 AM by SMAJOR -- LAYOUT: ANSI B(11"X17")
Path: S:\1-PROJECTS\Madison\KIPPCorp\Madison\WI\Madison_Archive\2020_372148\372148-002-013Asm.mxd

Plot Date: 4/2/2020, 09:37:49 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\MadisonKIPPCorp\MadisonWI\Madison_Archive\2020_372148\372148-002-014.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS

LEGEND

- SITE PROPERTY BOUNDARY
- SOIL EXTRACTION WELL
- VAPOR MONITORING POINT
- VAPOR MONITORING POINT (PROPOSED 2019 SAMPLING)
- VAPOR MONITORING POINT (LOST)

NOTES

1. BASE MAP IMAGERY FROM ESRI/DIGITAL GLOBE, 2018.
2. PARCEL INFORMATION FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE, 2018

0 100 200 FEET

1 " = 100 '
1:1,200

N

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PROJECT:

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

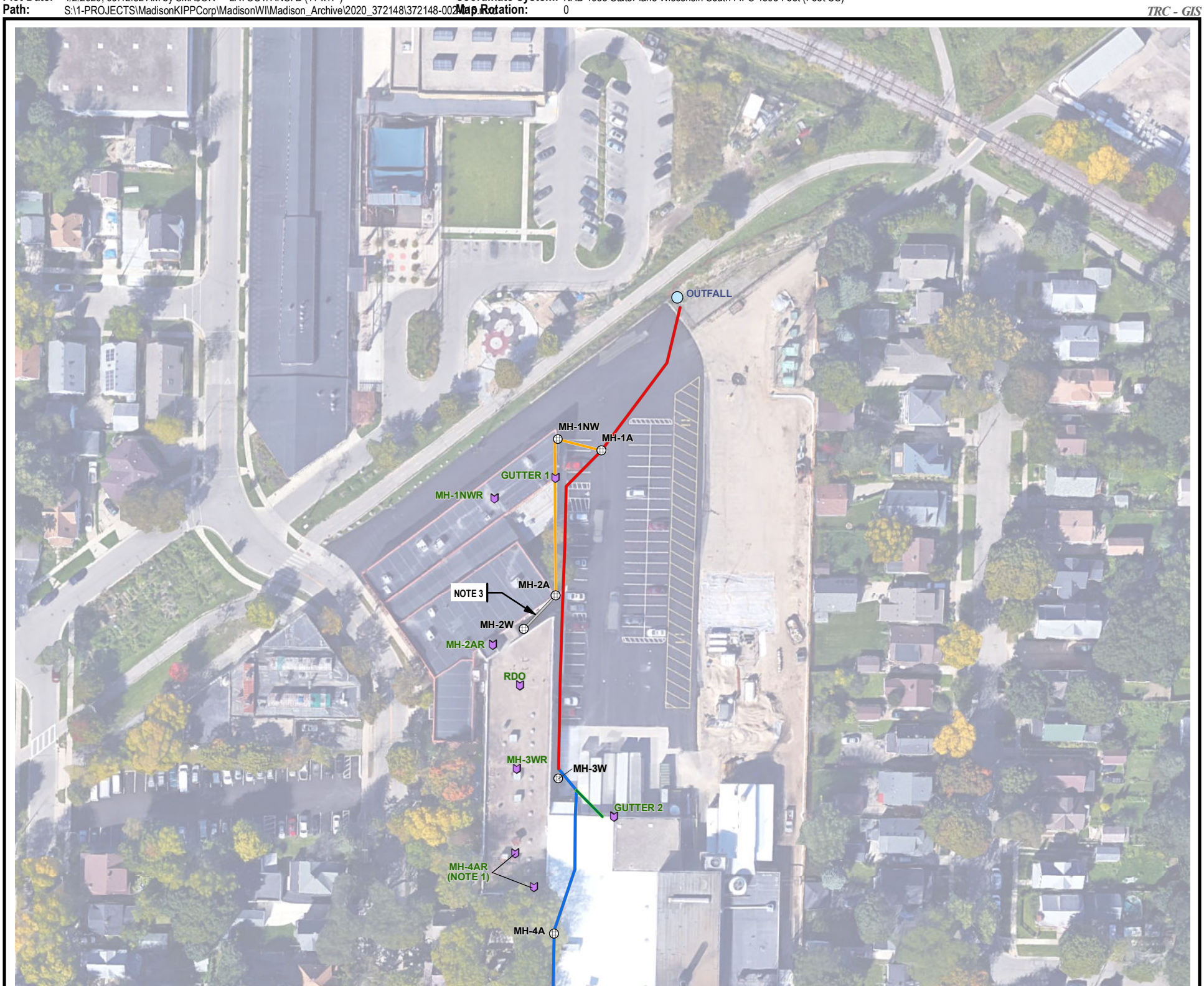
TITLE:

SOIL VAPOR EXTRACTION WELL AND VAPOR MONITORING POINT LOCATION MAP

DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-014.mxd

FIGURE 14

Plot Date: 4/2/2020, 09:42:52 AM by SMAJOR -- LAYOUT: ANSI B (11"x17")
Path: S:\1-PROJECTS\MadisonKIPPCorp\MadisonWI\Madison_Archive\2020_372148\372148-002-015.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0
TRC - GIS



NOTES

1. MH-4AR REPRESENTS TWO COLLECTION POINTS THAT MERGE INTO ONE DISCHARGE POINT.
2. MH-5AH REPRESENTS A DISCHARGE PIPE LOCATED IN MANHOLE MH-5A, BOTH ABANDONED IN 2017.
3. MH-2W AND THE SECTION OF PIPE BETWEEN MH-2W AND MH-2A WERE ABANDONED IN 2017.
4. BASEMAP FROM GOOGLE EARTH PRO & PARTNERS, 2014.

LEGEND

- SITE PROPERTY BOUNDARY
- ROOF DRAIN INLET
- MANHOLE/CATCH BASIN
- OUTFALL
- S-1 PIPE SECTION
- S-2 PIPE SECTION
- S-3 PIPE SECTION
- S-3-ABANDONED (NOTE 3)
- S-4 PIPE SECTION

0 100 200 FEET

1 " = 100 '
1:1,200

N

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

PROJECT:
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

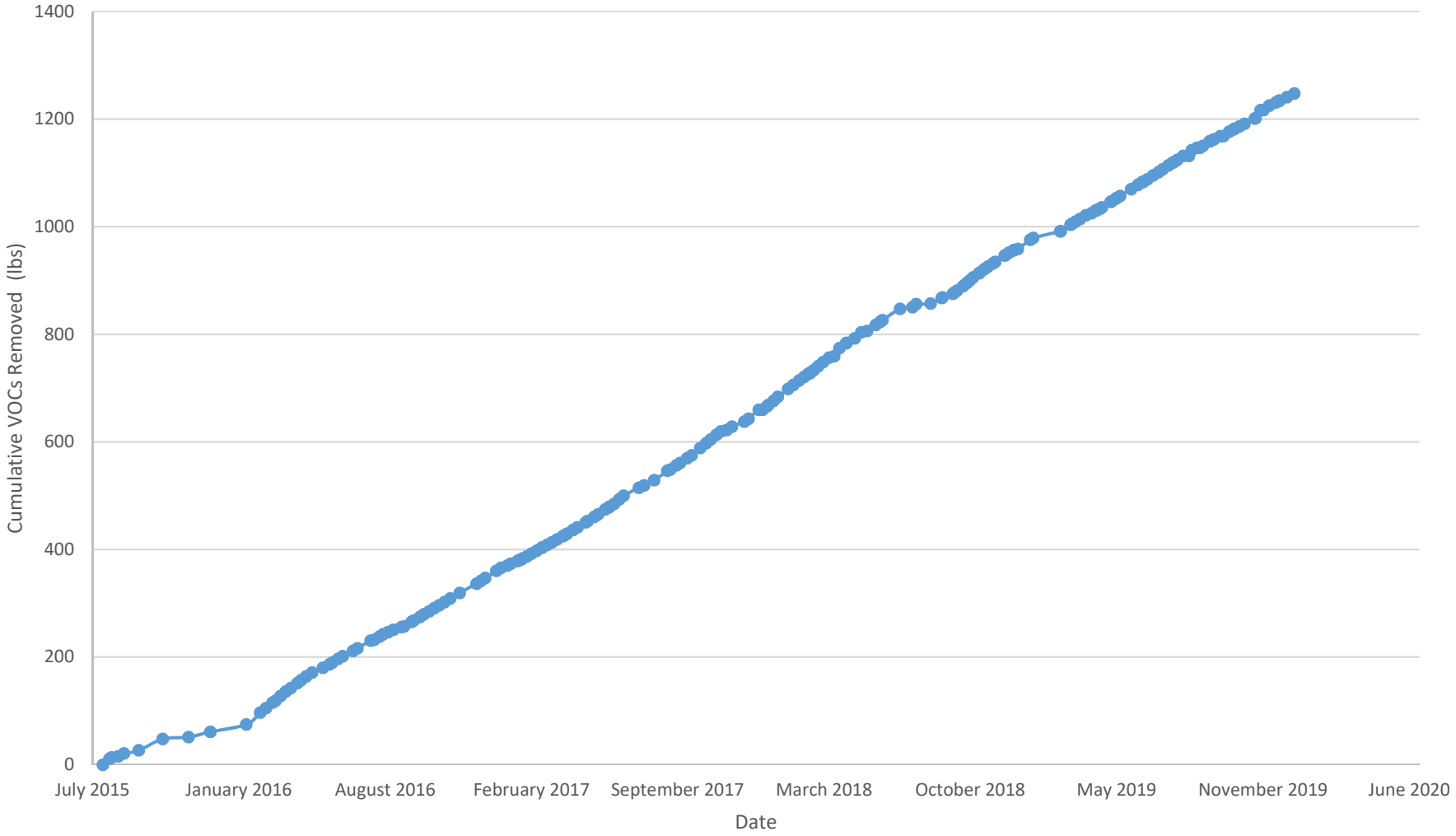
TITLE:
RAIN GARDEN SITE MAP AND STORM SEWER INFRASTRUCTURE

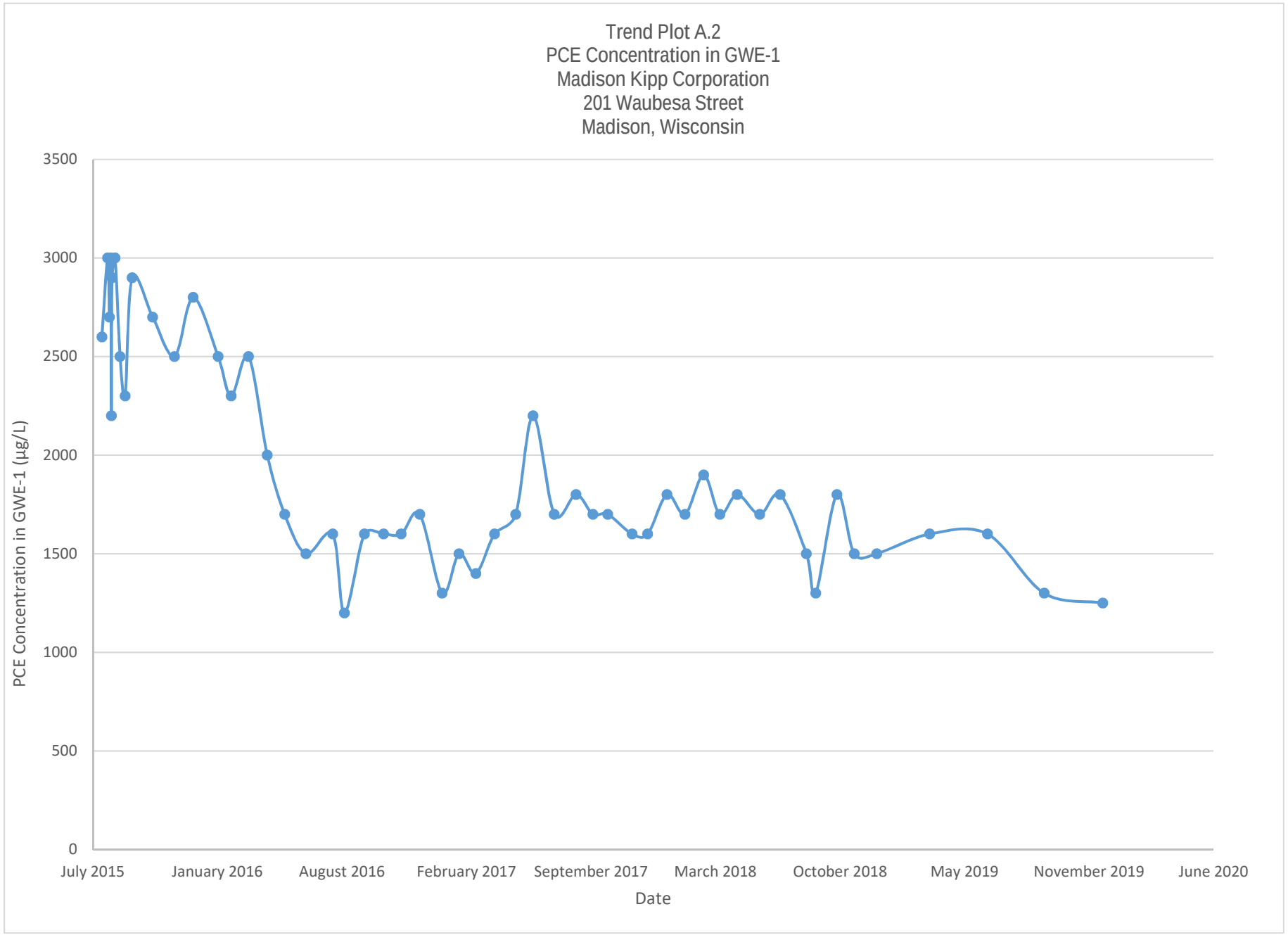
DRAWN BY:	S. MAJOR
CHECKED BY:	A. STEHN
APPROVED BY:	K. VATER
DATE:	APRIL 2020
PROJ. NO.:	372148
FILE:	372148-002-015.mxd

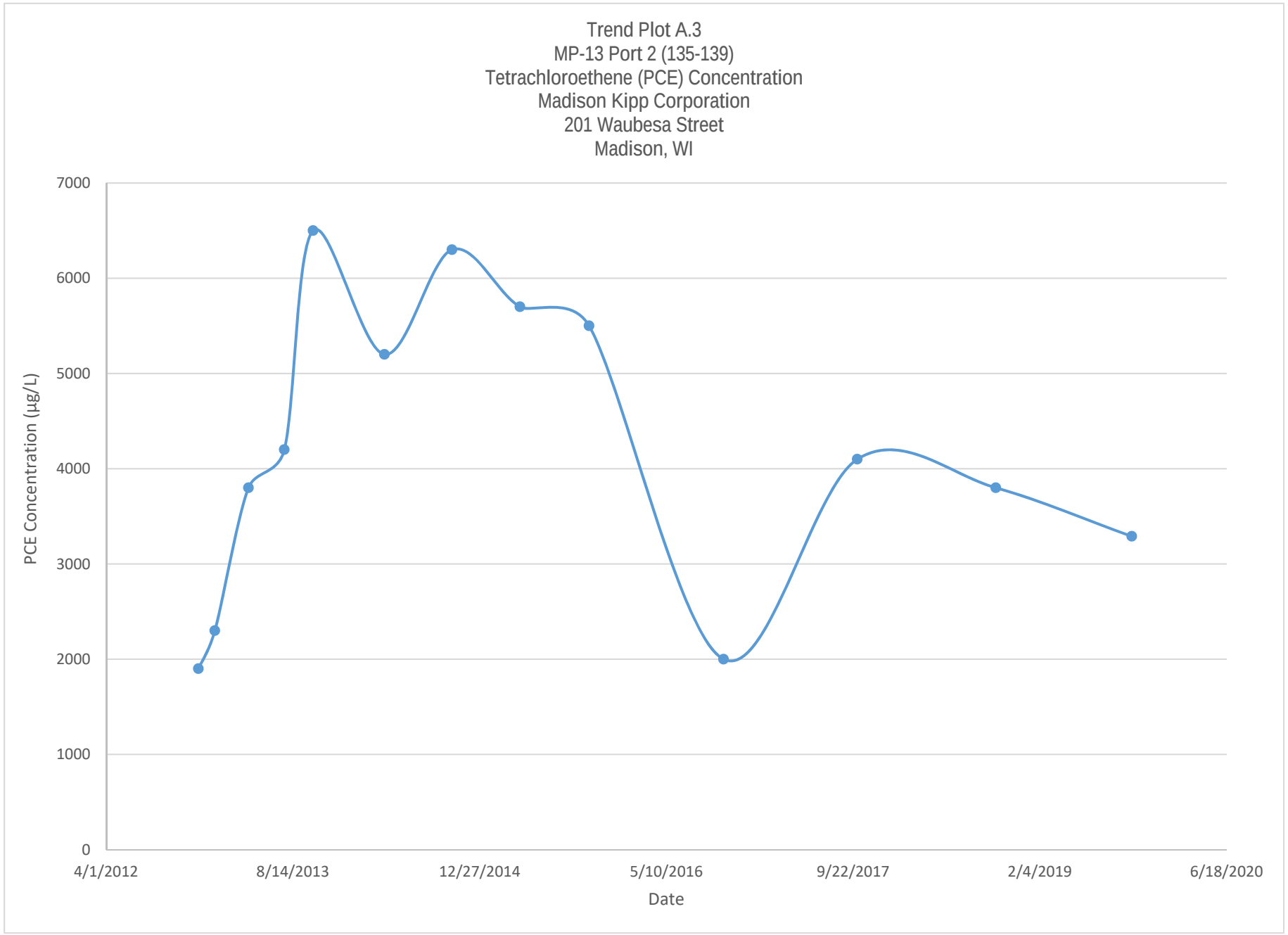
FIGURE 15

Appendix A: Trend Plots

Trend Plot A.1
Groundwater Extraction System Operation
Cumulative Volatile Organic Compounds (VOCs) Removed
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin




Trend Plot A.2
PCE Concentration in GWE-1
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin
PCE Concentration in GWE-1 (µg/L)
3500
3000
2500
2000
1500
1000
500
0
July 2015
January 2016
August 2016
February 2017
September 2017
March 2018
October 2018
May 2019
November 2019
June 2020
Date



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Appendix B: Remediation Site Operation, Maintenance, Monitoring, and Optimization Report Form 4400-194

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

Completion of the applicable portions of this form is required under Wis. Admin. Code § NR 724.13(3). Failure to submit this form as required is a violation of that rule section and is subject to the penalties in Wis. Stats. § 292.99. This form must be submitted every six months for remediation projects that report operation and maintenance progress, in accordance with Wis. Admin. Code §. NR 724.13(3). A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Submittal of this form is not a substitute for reporting required by department programs such as Waste Water or Air Management.

Notes:

1. Long-term monitoring results submitted in accordance with Wis. Admin. Code § NR 724.17(3) are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with that section of code.
2. Responsible parties should check with the department Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent state-lead response.
3. Responsible parties should check with the department Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and should obtain prior written approval for any omissions or changes.
4. Responsible parties are required to report separately on a semi-annual basis under Wis. Admin. Code § NR 700.11(1). Reporting under that provision is through an internet-based form. More information can be found at: http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf.
5. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by Remediation and Redevelopment Program. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (Wis. Stats. §§ 19.31–19.39).

Section GI - General Site Information

A. General Information

1. Site name: Madison-Kipp Corporation

2. Reporting period from:	To:	Days in period:
07/01/2019	12/31/2019	184

3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-13-558625

5. Site location

Region	County	Address
South Central Region	Dane	201 Waubesa Street

Municipality name ◉ City ○ Town ○ Village	Township	Range ◉E ○W	Section	¼	¼ ¼
Madison	07 N	10	5	SW	NW

6. Responsible party	7. Consultant
Name: Tony Koblinski	☐ Select if the following information has changed since the last submittal
Mailing address: 201 Waubesa Street, Madison, WI 53704	Company name: TRC
Phone number: (608) 242-5244	Mailing address: 708 Heartland Trail Suite 3000 Madison, WI 53717
	Phone number: (608) 826-3600

8. Contaminants: VOCs, metals, PCBs

9. Soil types (USCS or USDA): CL, SP, GP

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
0.08 - 13.2	0.5 - 12.9

12. If soil is treated ex situ, is the treatment location off site? ◯ Yes ◉ No

If yes, give location: Region	County					
Municipality name ◯ City ◯ Town ◯ Village	Township N	Range ◯E ◯W	Section	¼	¼ ¼

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- ☒ Groundwater extraction (submit a completed Section GW-1).
- ☐ Free product recovery (submit a completed Section GW-1).
- ☐ In situ air sparging (submit a completed Section GW-2).
- ☐ Groundwater natural attenuation (submit a completed Section GW-3).
- ☐ Other groundwater remediation method (submit a completed Section GW-4).
- ☒ Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- ☐ Soil natural attenuation (submit a completed Section IS-2).
- ☐ Other in situ soil remediation method (submit a completed Section IS-3).
- ☐ Biopiles (submit a completed Section ES-1).
- ☐ Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- ☐ Other ex situ remediation method (submit a completed Section ES-3).
- ☐ Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attentuation), complete this subsection.

1. Is the system operating at design rates and specifications? ◯ Yes ◉ No

   If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
   The onsite soil vapor extraction system is currently being evaluated for continued operation. The system as approved by the WDNR was temporarily shutdown in October 2018, and soil gas is being monitored at the site. The GETS system pump rate was adjusted to 40 gpm during the SVE shutdown period. Once the evaluation is complete the GETS will be adjusted to allow for the system to run at 45 gpm.

2. Are modifications to the system warranted to improve effectiveness ◯ Yes ◉ No

   If yes, explain:

3. Is natural attenuation an effective low cost option at this time? ◯ Yes ◉ No
4. Is closure sampling warranted at this time? ◯ Yes ◉ No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? ◉ Yes ◯ No

   If yes, explain:
   The onsite soil vapor extraction system is currently being evaluated for continued operation. The system as approved by the WDNR was temporarily shutdown in October 2018, and soil gas is being monitored at the site.

D. Economic and Cost Data to Date

1. Total investigation cost:
2. Implementation costs (design, capital and installation costs, excluding investigation costs:
3. Total costs during the previous reporting period:
4. Total costs during this reporting period:
5. Total anticipated costs for the next reporting period:
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? ◯ Yes ◯ No
   If yes, explain:

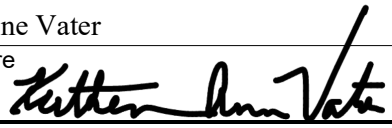
7. If closure is anticipated within 12 months, estimated costs for project closeout:

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

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

Print name	Title
Katherine Vater	Project Manager
Signature 	Date April 7, 2020

Hydrogeologists:

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

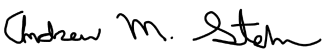
Print name	Title
Signature	Date

Scientists:

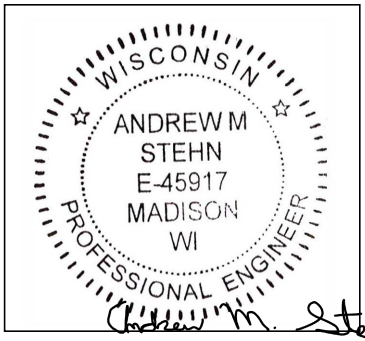
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

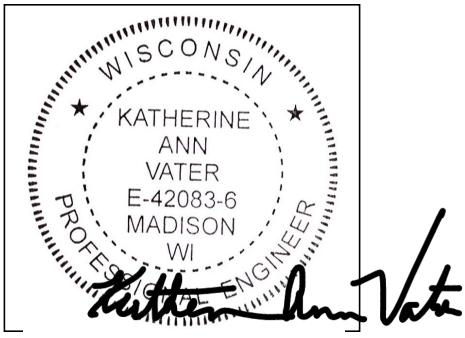
Other Persons:

Print name	Title
Andrew Stehn	Senior Project Engineer
Signature 	Date April 7, 2020

Professional Seal(s), if applicable:



April 7, 2020



April 7, 2020

Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 1 and the number in use during period: 1

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
178

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
96.5%

4. Quantity of groundwater extracted during this time period: 10,229,294 gallons

5. Average groundwater extraction rate: 40 gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds: 143.88 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? ◯ Yes ◉ No
If yes, explain:

2. Quantity of free product extracted during this time period (enter none if none): _____ gallons

3. Average free product extraction rate: _____ gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? ◉ Yes ◯ No
If no, explain:

2. If free product is present, is the free product fully contained in capture zone? ◯ Yes ◯ No
If no, explain:

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

a. Contaminant: Tetrachloroethene

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99 %

c. Maximum contaminant concentration level in any monitoring well of that contaminant: 3,290 µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant: 1,300 µg/L

e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

Not applicable

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated. (Figures 3 - 7)
- Groundwater contaminant distribution map (may be combined with contour map). (Figures 8 - 13)
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs. (Appendix A - Trend Plot A.1)
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
  -- Graph of contaminant concentrations versus time for each extraction well in use during the period. (Appendix A - Trend Plot A.2)
  -- Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination. (Appendix A Trend Plot A.3)
- Groundwater contaminant chemistry table. (Table 16)
- Groundwater elevations table. (Table 15)
- System operational data table. (Table 1)

Section GW-2, In Situ Air Sparging Systems

A. In Situ Air Sparging System Operation

1. Number of air injection wells at the site and the number actually in use during the period: _____
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:

B. System Effectiveness Evaluation

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in B.1.a.

   a. Contaminant: _____

   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: _____ %

   c. Maximum contaminant concentration level in any monitoring well: _____ µg/L

2. Is there any evidence that air is short circuiting through natural or man-made pathways? ◯ Yes ◯ No
   If yes, explain:

3. Is the size of the plume: ◯ Increasing ◯ Stabalized ◯ Decreasing ?
   If increasing, explain:

C. Additional Attachments

Attach the following to this form:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Site map with all air injection wells and groundwater monitoring points.
- Graph of contaminant concentrations versus time for the contaminant listed in B.1.a. (above) for the monitoring point with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Section GW-3, Natural Attenuation (Passive Bioremediation) in Groundwater

A. Effectiveness Evaluation

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a

   a. Contaminant: _____

   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: _____ %

   c. Maximum contaminant concentration level in any monitoring well of that contaminant: _____ µg/L

2. Aquifer parameters:

   a. Hydraulic conductivity: _____ cm/sec

   b. Groundwater average linear velocity: _____ ft/yr

3. Is there a downgradient monitoring well that meets ch. NR 140 standards? ◯ Yes ◯ No

4. Based on water chemistry results, is the plume: ◯ Expanding ◯ Stabalized ◯ Contracting ?

5. If the answer in 4. (above) is "expanding," is natural attenuation still the best option? ◯ Yes ◯ No
   If yes, explain:

6. Biodegradation parameters:

   a. Upgradient (or other site specific background) DO level: _____ µg/L

   b. DO levels in the part of the plume that is most heavily contaminated _____ µg/L

7. Is site closure a viable option within 12 months from the date of this form? ◯ Yes ◯ No

8. Are there any modifications that can improve cost effectiveness? ◯ Yes ◯ No
   If yes, explain:

9. Have groundwater table fluctuations changed the contaminant level trends over time? ◯ Yes ◯ No
   If yes, explain:

10. Has the direction of groundwater flow changed during the reporting period? ◯ Yes ◯ No
    If yes, approximate change in degrees: _____

B. Additional Attachments

Attach the following:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
  Note: This is the minimum required graph; however, it is recommended that multiple time versus contamination concentration graphs as described in the instructions on page 24 for Natural Attenuation of Groundwater be submitted.
- Graph of contaminant concentrations versus distance.
- Groundwater contaminant chemistry table.
- Groundwater biological parameters.
- Groundwater elevations table.

Section GW-4, Other Groundwater Remediation Methods

A. Effectiveness Evaluation

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a.

   a. Contaminant: _____

   b. Percent reduction necessary: _____ %

   c. Maximum contaminant concentration level in any monitoring well: _____ µg/L

2. Is the size of the plume: ◯ Increasing ◯ Stabalized ◯ Decreasing ?

3. Describe the method used to remediate groundwater at the site:

4. List any additional information required by the DNR for this method for this site:

B. Additional Attachments

Attach the following:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- Any other attachments required by the DNR for this remediation method.

Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

A. Soil Venting Operation

Note: This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: 0
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
   0, SVE system temporarily shutdown since October 2018 per WDNR approval.
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   0
4. Average depth to groundwater: 18.78 gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: 0
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
   0
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   0

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 0 pounds per day
2. Average contaminant removal rate per well or venting point: 0 pounds per day
3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:
   a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:
      i. Oxygen levels in extracted air: _____ percent
      ii. Methane levels in extracted air (ppm_V) If over 10 ppm_V, explain:
      iii. If methane is not present above 10 ppm_V and if oxygen is greater than 20 percent in extracted air, you should either:
      - Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
      - Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.
   b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.
   c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells. (Figure 14)
- If water table monitoring wells are present at the site, a map of well locations. (Figure 2)
- Time versus vapor phase contaminant concentration graph. N/A
- Time versus cumulative contaminant removal graph. N/A
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations. (Table 15)
- Table of soil contaminant chemistry data. N/A
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted. (Table 17)
- System operational data table. N/A

Section IS-2, Natural Attenuation (Passive Bioremediation) in Soil

A. Effectiveness Evaluation

1. Soil gas information in the soil that is most contaminated from a permanently installed gas probe(s) or water table monitoring well(s).
   a. Hydrocarbon levels: _____ ppm, with an FID
   b. Oxygen levels: _____ percent
   c. Carbon dioxide levels(specify ppm or percent): _____
   d. Methane levels: _____ ppm
2. Soil gas information in background (uncontaminated soil) from permanently installed gas probe(s)or water table monitoring well(s):
   a. Hydrocarbon levels: _____ ppm, with an FID
   b. Oxygen levels: _____ percent
   c. Carbon dioxide levels(specify ppm or percent): _____
   d. Methane levels: _____ ppm
3. List the results of the single boring that had the highest levels of soil contamination during the last round of soil sampling, and the date those samples were collected. Since soil borings are only drilled periodically, list the most recent data even if the data is prior to this reporting period. Since this data is used to assess progress based on the most recent soil sampling event, do not list data from prior sampling events.
   a. Total hydrocarbons (Specify if GRO and/or DRO): _____ µg/kg
   b. Specific compounds (µg/kg):
      i. Benzene: _____ µg/kg
      ii. 1,2 Dichloroethane: _____ µg/kg
      iii. Ethylbenzene: _____ µg/kg
      iv. Toluene: _____ µg/kg
      v. Total xylenes: _____ µg/kg
4. Is there any evidence that contaminants are leaching into groundwater? ◯ Yes ◯ No
   If the answer is yes and if groundwater quality is not being monitored, explain:
5. Is site closure a viable option within 12 months from the date of this form? ◯ Yes ◯ No
6. Are there any modifications that can be made to the remediation to improve cost effectiveness? ◯ Yes ◯ No
   If yes, explain:

B. Additional Attachments

Attach the following to this form:

- Well and soil sample location map.
- Cross sections showing the water table, soil sampling locations, screened intervals for gas probes or water table wells, geologic contacts, and any former excavation boundaries.
- Graphs of contaminant concentrations, oxygen, carbon dioxide and methane levels over time.
- Groundwater elevations table, if water table wells are present at the site.
- Table of soil contaminant chemistry.
- Table of soil gas readings.

Section IS-3, Other In Situ Soil Remediation Methods

A. Effectiveness Evaluation

1. Describe the method used to remediate soil at the site:

2. List all information required by the DNR for this remediation method for this site:

B. Additional Attachments

Attach the following to this form:

- Any other attachments required by the DNR for this remediation method.

Section ES-1, Ex Situ Soil Treatment Using Biopiles

A. Effectiveness Evaluation

1. Volume of soil in the biopile (if multiple biopiles, list number of piles and total volume):

2. Monitoring used to assess progress and verify optimal conditions for biodegradation.
   a. Vapor phase measurements of gases (average of all readings from most recent sampling event):
      i. VOCs by FID: _____ ppm
      ii. Oxygen: _____ percent
      iii. Carbon dioxide: _____ percent
      iv. Methane: _____ ppm
   b. Soil temperature: _____ °F
   c. Soil moisture sensors, if used: _____ percent
3. Treatment amendments added to the soil during construction:
   a. Artificial nutrients, excluding manure.
      i. Types and total pounds added:

      ii. Nitrogen and phosphorous content of the added amendment: _____ percent
   b. Manure: _____ total pounds
   c. Natural organic materials (straw, wood chips, etc.)(type and total pounds):

4. Forced air biopiles only answer the following:
   a. Total air flow rate of the ventilation system: _____ scfm
   b. Average contaminant removal rate: _____ pounds per day
   c. Average biodegradation rate based on oxygen utilization: _____ pounds per day
5. If soil samples have been taken to monitor progress, list results. Only list the most recent results. If none collected enter NA.
   a. Total hydrocarbons. Specify if GRO and/or DRO: _____ µg/kg
   b. Specific compounds (µg/kg):
      i. Benzene: _____ µg/kg
      ii. 1,2 Dichloroethane: _____ µg/kg
      iii. Ethylbenzene: _____ µg/kg
      iv. Toluene: _____ µg/kg
      v. Total xylenes: _____ µg/kg

B. Additional Attachments

Attach the following to this form:

- Figure showing the construction details of the biopile and any sampling locations within the biopile.
- Table of soil contaminant chemistry data.
- Table of operational data.

Section ES-2, Ex Situ Soil Treatment Using Landspreading/Thinspreading

A. Effectiveness Evaluation

1. Method used: ◯ landspreading ◯ thinspreading

Note: For purposes of this form, "landspreading" is the placement of contaminated soil on native topsoil, incorporation of that soil into the native soil and planting crops or other plants on it. The term "thinspreading" refers to placing contaminated soil on an impervious base for aeration.

2. Was any progress monitoring using field screening on soil conducted during this reporting period? ◯ Yes ◯ No

3. If the answer to A.2. (above) is yes:

i. List monitoring method:

_____

ii. List monitoring results:

_____

4. Is there any evidence of soil erosion at the landspreading/thinspreading location? ◯ Yes ◯ No

5. Spreading thickness: _____ inches

6. Type of crop planted (if thinspreading with no crop planted, so state):

_____

7. Confirmation sampling date: _____ Anticipated confirmation sampling date: _____

8. Most recent soil sample results, if soil samples for laboratory analysis have been collected to monitor progress. Only list the highest result of the most recent sampling round. If no samples have been collected, enter NA.

a. Total hydrocarbons. Specify if GRO and/or DRO: _____ µg/kg

b. Specific compounds (µg/kg):

i. Benzene: _____ µg/kg

ii. 1,2 Dichloroethane: _____ µg/kg

iii. Ethylbenzene: _____ µg/kg

iv. Toluene: _____ µg/kg

v. Total xylenes: _____ µg/kg

B. Additional Attachments

Attach the following to this form:

- Map of the landspreading/thinspreading area. If soil samples have been collected, specify locations of samples and dates of sampling.
- Table of soil contaminant chemistry data.
- Table of any field screening results with dates of sample collection.

Section ES-3, Landfills

Note: Reporting forms or reporting requirements in a Department approved Operation and Maintenance Plan for a landfill may take the place of this form.

Specific Inspection Items	Potential Problem Areas	Status	Notes
Perimeter Security Fencing	Broken or missing wood slats, torn chain link fabric, barbed wire, other - list		
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative.		
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing.		
Final Cover Vegetation	Bare spots, stressed vegetation, deep rooted vegetation.		
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding.		
Evidence of Burrowing Animals	Damage to final cover, evidence of waste.		
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked.		
Passive Landfill Gas Venting System	Damaged or blocked vent risers, stressed vegetation.		
Active Landfill Gas Extraction System	Damaged or blocked piping, cleanouts, other blower flare, knockouts, etc.		
Leachate Collection System	Pumps, connection piping, collection system piping, extraction wells, collection tanks, tanker truck loading system or sanitary sewer discharge piping.		
Access Road Cover Mowing; Tall Vegetation Removal	Ponding, rutting, erosion, cracked or damaged pavement. Mowing and tall vegetation removal done to specified vegetation.		

Summary of Deficiencies and/or Corrective Actions:

B. Additional Attachments

Attach the following to this form:

- Any photographs documenting problems and maintenance activities.
- Maps, drawings showing site features requiring maintenance.
- Records for leachate pumping/discharge/hauling.
- Records for active gas extraction volumes.

Appendix C: December 2019 WPDES DMR Submittal and Monthly Laboratory Reports

Wastewater Discharge Monitoring Short Report

For DNR Use Only

Facility Name : MADISON KIPP CORPORATION
Contact Address : 708 Heartland Trail, Suite 3000
Madison, WI 53717
Facility Contact : Andrew Stehn, Project Engineer
Phone Number : 608-826-3665
Reporting Period : 10/01/2019 - 12/31/2019
Form Due Date : 01/21/2020
Permit Number : **0046566**

Date Received:	
DOC:	431536
FIN:	7960
FID:	113125320
Region:	South Central Region
Permit Drafter:	Trevor J Moen
Reviewer:	Christopher A Dietrich
Office:	Milwaukee

Sample Point	Parameter #	Parameter	Date Sample	Sample Type	Sample Results	Units	Limit Type	Limit	LOD	LOQ	QC Exceed?	Lab Certification
001	40	Benzene	12/09/2019	GRAB	<0.25	ug/L	Monthly Avg	50(0)	0.25	1.0	N	405132750
001	54	BETX, Total	12/09/2019	GRAB	<1.5	ug/L	Monthly Avg	750(0)			N	405132750
001	393	PAHs	12/09/2019	GRAB	<0.016	ug/L	Monthly Avg	0.10(0)			N	405132750
001	44	Benzo(a)pyrene	12/09/2019	GRAB	<0.0095	ug/L	Monthly Avg	0.10(0)	0.0095	0.047	N	405132750
001	307	Naphthalene	12/09/2019	GRAB	<0.017	ug/L	Monthly Avg	70(0)	0.017	0.083	N	405132750
001	80	Bromoform	12/09/2019	GRAB	<4.0	ug/L	Monthly Avg	120(0)	4.0	13.2	N	405132750
001	93	Carbon tetrachloride	12/09/2019	GRAB	<0.17	ug/L		*****	0.17	1.0	N	405132750
001	118	Chloroform	12/09/2019	GRAB	<1.3	ug/L	Monthly Avg	120(0)	0.5	1.3	N	405132750
001	174	Dichlorobromo- methane (bromo-	12/09/2019	GRAB	<0.36	ug/L	Monthly Avg	120(0)	0.36	1.2	N	405132750
001	570	1,2-Dichloro- ethane	12/09/2019	GRAB	<0.28	ug/L	Monthly Avg	180(0)	0.28	1.0	N	405132750
001	558	1,1-Dichloro- ethylene	12/09/2019	GRAB	<0.24	ug/L	Monthly Avg	50(0)	0.24	1.0	N	405132750
001	82	Methyl bromide	12/09/2019	GRAB	<0.97	ug/L	Monthly Avg	120(0)	0.97	5.0	N	405132750
001	120	Chloromethane	12/09/2019	GRAB	<2.2	ug/L	Monthly Avg	120(0)	2.2	7.3	N	405132750
001	565	1,1,2,2-Tetrachloro- ethane	12/09/2019	GRAB	<0.28	ug/L	Monthly Avg	50(0)	0.28	1.0	N	405132750
001	490	Tetrachloroethylene	12/09/2019	GRAB	13.1	ug/L	Monthly Avg	50(0)	0.33	1.1	N	405132750
001	563	1,1,2-Trichloro- ethane	12/09/2019	GRAB	<0.55	ug/L	Monthly Avg	50(0)	0.55	5.0	N	405132750
001	561	1,1,1-Trichloro- ethane	12/09/2019	GRAB	<0.24	ug/L	Monthly Avg	50(0)	0.24	1.0	N	405132750
001	508	Trichloro- ethylene	12/09/2019	GRAB	2.6	ug/L	Monthly Avg	50(0)	0.26	1.0	N	405132750
001	517	Vinyl chloride	12/09/2019	GRAB	<0.17	ug/L	Monthly Avg	10(0)	0.17	1.0	N	405132750

Wastewater Discharge Monitoring Short Report

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Potassium Permanganate: Absent (Parameter visually monitored by TRC for neutralization and photo documentation can be provided upon request).

Laboratory Quality Control Comments

Submitted by astehn on 01/20/2020 2:59:28 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: MADISON KIPP CORPORATION
Contact Address: 708 Heartland Trail, Suite 3000
Madison, WI 53717
Facility Contact: Andrew Stehn, Project Engineer
Phone Number: 608-826-3665
Reporting Period: 12/01/2019 - 12/31/2019
Form Due Date: 01/21/2020
Permit Number: 0046566

Date Received:	
DOC:	431914
FIN:	7960
FID:	113125320
Region:	South Central Region
Permit Drafter:	Trevor J Moen
Reviewer:	Christopher A Dietrich
Office:	Milwaukee

	Sample Point	001	001	001
	Description	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge
	Parameter	211	918	457
	Description	Flow Rate	Potassium Permanganate	Suspended Solids, Total
	Units	gpd	mg/L	mg/L
	Sample Type	ESTIMATED	GRAB	GRAB
	Frequency	DAILY	MONTHLY	PER OCCURNCE
Sample Results	Day 1	57600		
	2	57600		
	3	57600		
	4	57600		
	5	57600		
	6	57600		
	7	57600		
	8	57600		
	9	49625		<0.95
	10	57600		
	11	57600		
	12	57600		
	13	57600		
	14	57600		
	15	57600		
	16	57600		
	17	57600		
	18	57600		
	19	57600		
	20	57600		
	21	57600		
	22	57600		
	23	57600		
	24	57600		
	25	57600		
	26	57600		
	27	57600		
	28	57600		
	29	57600		
	30	57600		
	31	57600		

	Sample Point	001	001	001
	Description	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge
	Parameter	211	918	457
	Description	Flow Rate	Potassium Permanganate	Suspended Solids, Total
	Units	gpd	mg/L	mg/L
Summary Values	**Monthly Avg**	57342.741935484		0
	Daily Max	57600		<0.95
	Daily Min	49625		<0.95
Limit(s) in Effect	**Daily Max**			40 | 0
QA/QC Information	**LOD**			0.95
	LOQ			2
	QC Exceedance	N	N	N
	Lab Certification			405132750

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Potassium Permanganate: Absent (Parameter visually monitored by TRC for neutralization and photo documentation can be provided upon request).

A TSS sample was collected during the month of December following the cleaning of the Air Stripper System.

The GETS was shutdown for a brief period of time on December 9, 2019 for scheduled maintenance.

Laboratory Quality Control Comments

Submitted by astehn on 01/20/2020 3:06:46 PM

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169661-1
Client Project/Site: MadisonKipp - GETS 2019 373772

For:
TRC Environmental Corporation.
708 Heartland Trail
Suite 3000
Madison, Wisconsin 53717

Attn: Andrew Stehn

Authorized for release by:
9/16/2019 5:03:41 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Job ID: 500-169661-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-169661-1

Comments
No additional comments.

Receipt
The samples were received on 9/7/2019 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (500-169661-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 625 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 490-610719.

Method(s) 625 SIM: The method blank for preparation batch 490-610719 contained Phenanthrene above the reporting limit (RL). There was insufficient volume for the following samples to perform a second re-extraction and/or re-analysis; therefore, the data have been reported. The initial extraction had low QC recovery indicating a low bias for the samples; therefore, the re-extraction with acceptable QC recoveries and a potential false positive for Phenanthrene has been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Client Sample ID: Effluent — Lab Sample ID: 500-169661-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	11		1.0	0.37	ug/L	1		624	Total/NA
Trichloroethene	2.5		0.50	0.16	ug/L	1		624	Total/NA
Phenanthrene	0.12	B	0.094	0.047	ug/L	1		625 SIM	Total/NA

Client Sample ID: Influent — Lab Sample ID: 500-169661-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150		2.5	0.82	ug/L	5		624	Total/NA
Tetrachloroethene - DL	1300		50	19	ug/L	50		624	Total/NA
Phenanthrene	0.095	B	0.095	0.048	ug/L	1		625 SIM	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-169661-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
625 SIM	Semivolatile Organic Compounds GC/MS (SIM)	40CFR136A	TAL NSH
625	Liquid-Liquid Extraction	40CFR136A	TAL NSH

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-169661-1	Effluent	Water	09/06/19 10:30	09/07/19 10:20	
500-169661-2	Influent	Water	09/06/19 10:35	09/07/19 10:20	
500-169661-3	Trip Blank	Water	09/06/19 00:00	09/07/19 10:20	

Client Sample ID: Effluent

Lab Sample ID: 500-169661-1

Date Collected: 09/06/19 10:30

Matrix: Water

Date Received: 09/07/19 10:20

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			09/12/19 19:58	1
Bromoform	<0.45		1.0	0.45	ug/L			09/12/19 19:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/12/19 19:58	1
Chloroform	<0.37		2.0	0.37	ug/L			09/12/19 19:58	1
Chloromethane	<0.32		1.0	0.32	ug/L			09/12/19 19:58	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			09/12/19 19:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/12/19 19:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/12/19 19:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/12/19 19:58	1
Methyl bromide	<0.65		3.0	0.65	ug/L			09/12/19 19:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/12/19 19:58	1
Tetrachloroethene	**11**		1.0	0.37	ug/L			09/12/19 19:58	1
Toluene	<0.15		0.50	0.15	ug/L			09/12/19 19:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/12/19 19:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/12/19 19:58	1
Trichloroethene	**2.5**		0.50	0.16	ug/L			09/12/19 19:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/12/19 19:58	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			09/12/19 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*71 - 120*		*09/12/19 19:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 127*		*09/12/19 19:58*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/12/19 19:58*	*1*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.023		0.047	0.023	ug/L		09/13/19 07:04	09/13/19 16:07	1
Benzo[a]pyrene	<0.023		0.047	0.023	ug/L		09/13/19 07:04	09/13/19 16:07	1
Benzo[b]fluoranthene	<0.023		0.047	0.023	ug/L		09/13/19 07:04	09/13/19 16:07	1
Benzo[g,h,i]perylene	<0.047		0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1
Benzo[k]fluoranthene	<0.047		0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1
Chrysene	<0.047		0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1
Dibenz(a,h)anthracene	<0.023		0.047	0.023	ug/L		09/13/19 07:04	09/13/19 16:07	1
Fluoranthene	<0.047		0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1
Indeno[1,2,3-cd]pyrene	<0.023		0.047	0.023	ug/L		09/13/19 07:04	09/13/19 16:07	1
Naphthalene	<0.047		0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1
Phenanthrene	**0.12**	**B**	0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1
Pyrene	<0.047		0.094	0.047	ug/L		09/13/19 07:04	09/13/19 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*27 - 120*	*09/13/19 07:04*	*09/13/19 16:07*	*1*
Terphenyl-d14	*82*		*13 - 120*	*09/13/19 07:04*	*09/13/19 16:07*	*1*
2-Fluorobiphenyl (Surr)	*53*		*10 - 120*	*09/13/19 07:04*	*09/13/19 16:07*	*1*

Client Sample ID: Influent

Lab Sample ID: 500-169661-2

Date Collected: 09/06/19 10:35

Matrix: Water

Date Received: 09/07/19 10:20

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.73		2.5	0.73	ug/L			09/12/19 20:26	5

Client Sample ID: Influent

Date Collected: 09/06/19 10:35
Date Received: 09/07/19 10:20

Lab Sample ID: 500-169661-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<2.2		5.0	2.2	ug/L			09/12/19 20:26	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			09/12/19 20:26	5
Chloroform	<1.9		10	1.9	ug/L			09/12/19 20:26	5
Chloromethane	<1.6		5.0	1.6	ug/L			09/12/19 20:26	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			09/12/19 20:26	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			09/12/19 20:26	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			09/12/19 20:26	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			09/12/19 20:26	5
Methyl bromide	<3.2		15	3.2	ug/L			09/12/19 20:26	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			09/12/19 20:26	5
Toluene	<0.76		2.5	0.76	ug/L			09/12/19 20:26	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			09/12/19 20:26	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			09/12/19 20:26	5
Trichloroethene	**150**		2.5	0.82	ug/L			09/12/19 20:26	5
Vinyl chloride	<1.0		5.0	1.0	ug/L			09/12/19 20:26	5
Xylenes, Total	<2.0		5.0	2.0	ug/L			09/12/19 20:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*71 - 120*		*09/12/19 20:26*	*5*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 127*		*09/12/19 20:26*	*5*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/12/19 20:26*	*5*

Method: 624 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**1300**		50	19	ug/L			09/12/19 20:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*71 - 120*		*09/12/19 20:53*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*71 - 127*		*09/12/19 20:53*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*		*09/12/19 20:53*	*50*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.024		0.048	0.024	ug/L		09/13/19 07:04	09/13/19 16:27	1
Benzo[a]pyrene	<0.024		0.048	0.024	ug/L		09/13/19 07:04	09/13/19 16:27	1
Benzo[b]fluoranthene	<0.024		0.048	0.024	ug/L		09/13/19 07:04	09/13/19 16:27	1
Benzo[g,h,i]perylene	<0.048		0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1
Benzo[k]fluoranthene	<0.048		0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1
Chrysene	<0.048		0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1
Dibenz(a,h)anthracene	<0.024		0.048	0.024	ug/L		09/13/19 07:04	09/13/19 16:27	1
Fluoranthene	<0.048		0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1
Indeno[1,2,3-cd]pyrene	<0.024		0.048	0.024	ug/L		09/13/19 07:04	09/13/19 16:27	1
Naphthalene	<0.048		0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1
Phenanthrene	**0.095**	**B**	0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1
Pyrene	<0.048		0.095	0.048	ug/L		09/13/19 07:04	09/13/19 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*57*		*27 - 120*	*09/13/19 07:04*	*09/13/19 16:27*	*1*
Terphenyl-d14	*83*		*13 - 120*	*09/13/19 07:04*	*09/13/19 16:27*	*1*
2-Fluorobiphenyl (Surr)	*55*		*10 - 120*	*09/13/19 07:04*	*09/13/19 16:27*	*1*

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Client Sample ID: Trip Blank

Date Collected: 09/06/19 00:00
Date Received: 09/07/19 10:20

Lab Sample ID: 500-169661-3

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			09/12/19 21:20	1
Bromoform	<0.45		1.0	0.45	ug/L			09/12/19 21:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/12/19 21:20	1
Chloroform	<0.37		2.0	0.37	ug/L			09/12/19 21:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			09/12/19 21:20	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			09/12/19 21:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/12/19 21:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/12/19 21:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/12/19 21:20	1
Methyl bromide	<0.65		3.0	0.65	ug/L			09/12/19 21:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/12/19 21:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/12/19 21:20	1
Toluene	<0.15		0.50	0.15	ug/L			09/12/19 21:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/12/19 21:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/12/19 21:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/12/19 21:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/12/19 21:20	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			09/12/19 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*71 - 120*		*09/12/19 21:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 127*		*09/12/19 21:20*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*09/12/19 21:20*	*1*

Definitions/Glossary

Client: TRC Environmental Corporation. Job ID: 500-169661-1
Project/Site: MadisonKipp - GETS 2019 373772

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

GC/MS VOA

Analysis Batch: 504503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-169661-1	Effluent	Total/NA	Water	624	
500-169661-2	Influent	Total/NA	Water	624	
500-169661-2 - DL	Influent	Total/NA	Water	624	
500-169661-3	Trip Blank	Total/NA	Water	624	
MB 500-504503/7	Method Blank	Total/NA	Water	624	
LCS 500-504503/5	Lab Control Sample	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 610719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-169661-1	Effluent	Total/NA	Water	625	
500-169661-2	Influent	Total/NA	Water	625	
MB 490-610719/1-A	Method Blank	Total/NA	Water	625	
LCS 490-610719/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 490-610719/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 610727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-169661-1	Effluent	Total/NA	Water	625 SIM	610719
500-169661-2	Influent	Total/NA	Water	625 SIM	610719
MB 490-610719/1-A	Method Blank	Total/NA	Water	625 SIM	610719
LCS 490-610719/2-A	Lab Control Sample	Total/NA	Water	625 SIM	610719
LCSD 490-610719/3-A	Lab Control Sample Dup	Total/NA	Water	625 SIM	610719

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DCA	TOL
Lab Sample ID	Client Sample ID	(71-120)	(71-127)	(75-120)
500-169661-1	Effluent	112	111	102
500-169661-2	Influent	113	111	102
500-169661-2 - DL	Influent	110	109	103
500-169661-3	Trip Blank	113	112	103
LCS 500-504503/5	Lab Control Sample	107	109	104
MB 500-504503/7	Method Blank	111	111	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(27-120)	(13-120)	(10-120)
500-169661-1	Effluent	56	82	53
500-169661-2	Influent	57	83	55
LCS 490-610719/2-A	Lab Control Sample	56	86	56
LCSD 490-610719/3-A	Lab Control Sample Dup	51	80	49
MB 490-610719/1-A	Method Blank	59	91	57

Surrogate Legend

NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-504503/7
Matrix: Water
Analysis Batch: 504503

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			09/12/19 13:56	1
Bromoform	<0.45		1.0	0.45	ug/L			09/12/19 13:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/12/19 13:56	1
Chloroform	<0.37		2.0	0.37	ug/L			09/12/19 13:56	1
Chloromethane	<0.32		1.0	0.32	ug/L			09/12/19 13:56	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			09/12/19 13:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/12/19 13:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/12/19 13:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/12/19 13:56	1
Methyl bromide	<0.65		3.0	0.65	ug/L			09/12/19 13:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/12/19 13:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/12/19 13:56	1
Toluene	<0.15		0.50	0.15	ug/L			09/12/19 13:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/12/19 13:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/12/19 13:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/12/19 13:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/12/19 13:56	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			09/12/19 13:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*71 - 120*		*09/12/19 13:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 127*		*09/12/19 13:56*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/12/19 13:56*	*1*

Lab Sample ID: LCS 500-504503/5
Matrix: Water
Analysis Batch: 504503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	44.6		ug/L		89	37 - 151
Bromoform	50.0	40.6		ug/L		81	45 - 169
Carbon tetrachloride	50.0	43.0		ug/L		86	70 - 140
Chloroform	50.0	44.0		ug/L		88	51 - 138
Chloromethane	50.0	39.6		ug/L		79	10 - 273
Dichlorobromomethane	50.0	43.2		ug/L		86	35 - 155
1,2-Dichloroethane	50.0	45.5		ug/L		91	49 - 155
1,1-Dichloroethene	50.0	41.2		ug/L		82	10 - 234
Ethylbenzene	50.0	44.5		ug/L		89	37 - 162
Methyl bromide	50.0	39.8		ug/L		80	10 - 242
m&p-Xylene	50.0	42.6		ug/L		85	
o-Xylene	50.0	45.1		ug/L		90	
1,1,2,2-Tetrachloroethane	50.0	44.5		ug/L		89	46 - 157
Tetrachloroethene	50.0	41.2		ug/L		82	64 - 148
Toluene	50.0	42.6		ug/L		85	47 - 150
1,1,1-Trichloroethane	50.0	43.7		ug/L		87	52 - 162
1,1,2-Trichloroethane	50.0	43.6		ug/L		87	52 - 150
Trichloroethene	50.0	43.8		ug/L		88	71 - 157
Vinyl chloride	50.0	38.5		ug/L		77	10 - 251

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-504503/5
Matrix: Water
Analysis Batch: 504503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*107*		*71 - 120*
1,2-Dichloroethane-d4 (Surr)	*109*		*71 - 127*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Lab Sample ID: MB 490-610719/1-A
Matrix: Water
Analysis Batch: 610727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.025		0.050	0.025	ug/L		09/13/19 07:04	09/13/19 15:05	1
Benzo[a]pyrene	<0.025		0.050	0.025	ug/L		09/13/19 07:04	09/13/19 15:05	1
Benzo[b]fluoranthene	<0.025		0.050	0.025	ug/L		09/13/19 07:04	09/13/19 15:05	1
Benzo[g,h,i]perylene	<0.050		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1
Benzo[k]fluoranthene	<0.050		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1
Chrysene	<0.050		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1
Dibenz(a,h)anthracene	<0.025		0.050	0.025	ug/L		09/13/19 07:04	09/13/19 15:05	1
Fluoranthene	<0.050		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1
Indeno[1,2,3-cd]pyrene	<0.025		0.050	0.025	ug/L		09/13/19 07:04	09/13/19 15:05	1
Naphthalene	<0.050		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1
Phenanthrene	0.141		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1
Pyrene	<0.050		0.10	0.050	ug/L		09/13/19 07:04	09/13/19 15:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*59*		*27 - 120*	*09/13/19 07:04*	*09/13/19 15:05*	*1*
Terphenyl-d14	*91*		*13 - 120*	*09/13/19 07:04*	*09/13/19 15:05*	*1*
2-Fluorobiphenyl (Surr)	*57*		*10 - 120*	*09/13/19 07:04*	*09/13/19 15:05*	*1*

Lab Sample ID: LCS 490-610719/2-A
Matrix: Water
Analysis Batch: 610727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	8.00	6.11		ug/L		76	33 - 143
Benzo[a]pyrene	8.00	6.86		ug/L		86	17 - 163
Benzo[b]fluoranthene	8.00	6.65		ug/L		83	24 - 159
Benzo[g,h,i]perylene	8.00	6.32		ug/L		79	10 - 219
Benzo[k]fluoranthene	8.00	6.89		ug/L		86	11 - 162
Chrysene	8.00	6.16		ug/L		77	17 - 168
Dibenz(a,h)anthracene	8.00	6.54		ug/L		82	10 - 227
Fluoranthene	8.00	6.12		ug/L		77	26 - 137
Indeno[1,2,3-cd]pyrene	8.00	6.36		ug/L		79	10 - 171
Naphthalene	8.00	4.08		ug/L		51	21 - 133
Phenanthrene	8.00	5.36		ug/L		67	54 - 120
Pyrene	8.00	5.85		ug/L		73	52 - 115

Method: 625 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCS 490-610719/2-A
Matrix: Water
Analysis Batch: 610727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610719

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*56*		*27 - 120*
Terphenyl-d14	*86*		*13 - 120*
2-Fluorobiphenyl (Surr)	*56*		*10 - 120*

Lab Sample ID: LCSD 490-610719/3-A
Matrix: Water
Analysis Batch: 610727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 610719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene			8.00	5.88		ug/L		73	33 - 143	4	30
Benzo[a]pyrene			8.00	6.66		ug/L		83	17 - 163	3	30
Benzo[b]fluoranthene			8.00	6.35		ug/L		79	24 - 159	5	30
Benzo[g,h,i]perylene			8.00	6.03		ug/L		75	10 - 219	5	30
Benzo[k]fluoranthene			8.00	6.75		ug/L		84	11 - 162	2	30
Chrysene			8.00	5.94		ug/L		74	17 - 168	4	30
Dibenz(a,h)anthracene			8.00	6.45		ug/L		81	10 - 227	1	30
Fluoranthene			8.00	5.94		ug/L		74	26 - 137	3	30
Indeno[1,2,3-cd]pyrene			8.00	6.17		ug/L		77	10 - 171	3	30
Naphthalene			8.00	3.84		ug/L		48	21 - 133	6	30
Phenanthrene			8.00	4.92		ug/L		62	54 - 120	8	30
Pyrene			8.00	5.60		ug/L		70	52 - 115	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*51*		*27 - 120*
Terphenyl-d14	*80*		*13 - 120*
2-Fluorobiphenyl (Surr)	*49*		*10 - 120*

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: MadisonKipp - GETS 2019 373772

Job ID: 500-169661-1

Client Sample ID: Effluent

Lab Sample ID: 500-169661-1

Date Collected: 09/06/19 10:30

Matrix: Water

Date Received: 09/07/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	504503	09/12/19 19:58	JDD	TAL CHI
Total/NA	Prep	625			610719	09/13/19 07:04	CC	TAL NSH
Total/NA	Analysis	625 SIM		1	610727	09/13/19 16:07	KJP	TAL NSH

Client Sample ID: Influent

Lab Sample ID: 500-169661-2

Date Collected: 09/06/19 10:35

Matrix: Water

Date Received: 09/07/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	504503	09/12/19 20:26	JDD	TAL CHI
Total/NA	Analysis	624	DL	50	504503	09/12/19 20:53	JDD	TAL CHI
Total/NA	Prep	625			610719	09/13/19 07:04	CC	TAL NSH
Total/NA	Analysis	625 SIM		1	610727	09/13/19 16:27	KJP	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 500-169661-3

Date Collected: 09/06/19 00:00

Matrix: Water

Date Received: 09/07/19 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	504503	09/12/19 21:20	JDD	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: TRC Environmental Corporation. Job ID: 500-169661-1
Project/Site: MadisonKipp - GETS 2019 373772

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State Program	999580010	08-31-20

Laboratory: Eurofins TestAmerica, Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State Program	998020430	08-31-20

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-169661

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 2.0

(optional) Report To	(optional) Bill To
Contact: Andrew Stehn	Contact:
Company: TRC	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail: astehn@trcsolutions.com	PO#/Reference# 132938

Client	Client Project #	Preservative	1	8
MKC/TRC	323772 Ph 2 Tk. 2			
Project Name: MKC emtm		Parameter	VOCs	PAHs
Project Location/State: Madison, WI	Lab Project #			
Sampler: AMS	Lab PM: Sandie Fredrick			

500-169661 COC

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	PAHs	Comments
1		EFFLUENT	9/6/19	10:30	1	W	X	X	
2		INFLUENT	9/6/19	10:35	1	W	X	X	
3		Trip Blank							added by TA

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days X 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
andrew stehn	TRC	9/6/19	15:00	FED EX		9/6/19	1600
				Paula Buckley	TAL	9/7/19	1020

Lab Courier
Shipped X
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1309)

9/16/2019

Login Sample Receipt Checklist

Client: TRC Environmental Corporation. Job Number: 500-169661-1

Login Number: 169661 **List Source: Eurofins TestAmerica, Chicago**
List Number: 1
Creator: Buckley, Paula M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

September 03, 2019

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: 323372 PHASE 2
Pace Project No.: 40193738

Dear Andrew Stehn:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Tod Noltemeyer

Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 323372 PHASE 2
Pace Project No.: 40193738

Green Bay Certification IDs

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

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SAMPLE SUMMARY

Project: 323372 PHASE 2
Pace Project No.: 40193738

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40193738001	**EFFLUENT**	Water	08/23/19 13:00	08/27/19 09:30

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SAMPLE ANALYTE COUNT

Project: 323372 PHASE 2
Pace Project No.: 40193738

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40193738001	**EFFLUENT**	SM 2540D	TMK	1

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PROJECT NARRATIVE

Project: 323372 PHASE 2
Pace Project No.: 40193738

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: TRC - MADISON
Date: September 03, 2019

General Information:
1 sample was analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 332117

R1: RPD value was outside control limits.
- DUP (Lab ID: 1926634)
  - Total Suspended Solids
- DUP (Lab ID: 1926635)
  - Total Suspended Solids

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 323372 PHASE 2
Pace Project No.: 40193738

Sample: EFFLUENT **Lab ID: 40193738001** Collected: 08/23/19 13:00 Received: 08/27/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		08/29/19 13:51		

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QUALITY CONTROL DATA

Project: 323372 PHASE 2
Pace Project No.: 40193738

QC Batch: 332117
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40193738001

METHOD BLANK: 1926632 Matrix: Water
Associated Lab Samples: 40193738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	08/29/19 13:51	

LABORATORY CONTROL SAMPLE: 1926633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	98.0	98	80-120	

SAMPLE DUPLICATE: 1926634

Parameter	Units	40193781001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	51.4	79.7	43	10	R1

SAMPLE DUPLICATE: 1926635

Parameter	Units	40193817001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	535	450	17	10	R1

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: 323372 PHASE 2
Pace Project No.: 40193738

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 323372 PHASE 2
Pace Project No.: 40193738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40193738001	**EFFLUENT**	SM 2540D	332117		

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Pace Analytical
www.pacelabs.com

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

Page 1 of 1

CHAIN OF CUSTODY

4019738

(Please Print Clearly)	
Company Name:	TRC
Branch/Location:	MADISON
Project Contact:	ANDREW STEHN
Phone:	608-807-8112
Project Number:	323372.PH2TK2
Project Name:	MMC
Project State:	WI
Sampled By (Print):	ANDREW STEHN
Sampled By (Sign):	Andrew Stehn
PO #:	See Project #
Regulatory Program:	

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

Quote #:	
Mail To Contact:	ANDREW STEHN
Mail To Company:	TRC
Mail To Address:	708 Heartland TRL, Madison, WI 53717
Invoice To Contact:	Andrew Stehn
Invoice To Company:	TRC
Invoice To Address:	Same as above
Invoice To Phone:	

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: TSS	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	EFFLUENT	8/23/19	1300	GW	N	A	X			

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

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

Email #1:	astehn@trccompanies.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Stehn TRC	8/26/19 7:00		
Waldo	8/27/19 0930	Susan Kuhlke Pace	8/27/19 0930
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
4019738
Receipt Temp = ROT °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006)
Version 6.0 08/14/06

Client Name: TRC

Sample Preservation Receipt Form

Project # W0193738

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

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

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001								1																								2.5 / 5 / 10
002																																2.5 / 5 / 10
003																																2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																											Sterile SU						2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: TRC

Project #: WO#: 40193738

40193738

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

Tracking #: 2155464-1

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

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

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

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

Cooler Temperature Uncorr: ROI /Corr:

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

Person examining contents:
Date: 8-27-19
Initials: SD

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

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: RNR for TM **Date:** 08/27/19

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

December 18, 2019

Andrew Stehn
TRC Madison
708 Heartland Trail
Madison, WI 53717

RE: Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Dear Andrew Stehn:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Tod Noltemeyer

Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison

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CERTIFICATIONS

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200639001	**INFLUENT**	Water	12/09/19 15:15	12/11/19 09:10
40200639002	**EFFLUENT**	Water	12/09/19 15:00	12/11/19 09:10
40200639003	**TRIP BLANK**	Water	12/09/19 00:00	12/11/19 09:10

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SAMPLE ANALYTE COUNT

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40200639001	**INFLUENT**	EPA 625 SIM	TPO	14
		EPA 624.1	HNW	21
		SM 2540D	JXM	1
40200639002	**EFFLUENT**	EPA 625 SIM	TPO	14
		EPA 624.1	HNW	21
		SM 2540D	JXM	1
40200639003	**TRIP BLANK**	EPA 624.1	HNW	21

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SUMMARY OF DETECTION

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40200639001	**INFLUENT**					
EPA 624.1	Tetrachloroethene	1250	ug/L	21.8	12/13/19 09:31	M1
EPA 624.1	Trichloroethene	119	ug/L	20.0	12/13/19 09:31	M1
40200639002	**EFFLUENT**					
EPA 624.1	Tetrachloroethene	13.1	ug/L	1.1	12/13/19 08:48	
EPA 624.1	Trichloroethene	2.6	ug/L	1.0	12/13/19 08:48	

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PROJECT NARRATIVE

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Method: **EPA 625 SIM**
Description: 625 MSSV PAH by SIM
Client: TRC - MADISON
Date: December 18, 2019

General Information:
2 samples were analyzed for EPA 625 SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 625 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

An MS / MSD pair was extracted with this batch, it is reported with a different analytical batch. The MS / MSD passed all laboratory limits.

- QC Batch: 343399

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(920)469-2436

PROJECT NARRATIVE

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Method: **EPA 624.1**
Description: 624.1 Volatile Organics
Client: TRC - MADISON
Date: December 18, 2019

General Information:
3 samples were analyzed for EPA 624.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 343281

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40200639001

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

- MS (Lab ID: 1993346)
  - Tetrachloroethene
  - Trichloroethene
- MSD (Lab ID: 1993347)
  - Tetrachloroethene
  - Trichloroethene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Method: **EPA 624.1**
Description: 624.1 Volatile Organics
Client: TRC - MADISON
Date: December 18, 2019

Analyte Comments:

QC Batch: 343281

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1993346)
  - Tetrachloroethene
- MSD (Lab ID: 1993347)
  - Tetrachloroethene

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PROJECT NARRATIVE

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: TRC - MADISON
Date: December 18, 2019

General Information:
2 samples were analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Sample: INFLUENT **Lab ID: 40200639001** Collected: 12/09/19 15:15 Received: 12/11/19 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV PAH by SIM	Analytical Method: EPA 625 SIM Preparation Method: EPA 625								
Benzo(a)anthracene	**<0.0068**	ug/L	0.034	0.0068	1	12/13/19 08:20	12/13/19 15:51	56-55-3	
Benzo(a)pyrene	**<0.0095**	ug/L	0.047	0.0095	1	12/13/19 08:20	12/13/19 15:51	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.026	0.0052	1	12/13/19 08:20	12/13/19 15:51	205-99-2	
Benzo(g,h,i)perylene	**<0.0061**	ug/L	0.031	0.0061	1	12/13/19 08:20	12/13/19 15:51	191-24-2	
Benzo(k)fluoranthene	**<0.0068**	ug/L	0.034	0.0068	1	12/13/19 08:20	12/13/19 15:51	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	12/13/19 08:20	12/13/19 15:51	218-01-9	
Dibenz(a,h)anthracene	**<0.0090**	ug/L	0.045	0.0090	1	12/13/19 08:20	12/13/19 15:51	53-70-3	
Fluoranthene	**<0.0096**	ug/L	0.048	0.0096	1	12/13/19 08:20	12/13/19 15:51	206-44-0	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.079	0.016	1	12/13/19 08:20	12/13/19 15:51	193-39-5	
Naphthalene	**<0.017**	ug/L	0.083	0.017	1	12/13/19 08:20	12/13/19 15:51	91-20-3	
Phenanthrene	**<0.012**	ug/L	0.062	0.012	1	12/13/19 08:20	12/13/19 15:51	85-01-8	
Pyrene	**<0.0069**	ug/L	0.034	0.0069	1	12/13/19 08:20	12/13/19 15:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	30-85		1	12/13/19 08:20	12/13/19 15:51	321-60-8	
Terphenyl-d14 (S)	93	%	10-120		1	12/13/19 08:20	12/13/19 15:51	1718-51-0	
624.1 Volatile Organics	Analytical Method: EPA 624.1								
Benzene	**<4.9**	ug/L	20.0	4.9	20		12/13/19 09:31	71-43-2	
Bromodichloromethane	**<7.3**	ug/L	24.2	7.3	20		12/13/19 09:31	75-27-4	
Bromoform	**<79.4**	ug/L	265	79.4	20		12/13/19 09:31	75-25-2	
Bromomethane	**<19.4**	ug/L	100	19.4	20		12/13/19 09:31	74-83-9	
Carbon tetrachloride	**<3.3**	ug/L	20.0	3.3	20		12/13/19 09:31	56-23-5	
Chloroform	**<25.5**	ug/L	100	25.5	20		12/13/19 09:31	67-66-3	
Chloromethane	**<43.8**	ug/L	146	43.8	20		12/13/19 09:31	74-87-3	
1,2-Dichloroethane	**<5.6**	ug/L	20.0	5.6	20		12/13/19 09:31	107-06-2	
1,1-Dichloroethene	**<4.9**	ug/L	20.0	4.9	20		12/13/19 09:31	75-35-4	
Ethylbenzene	**<4.4**	ug/L	20.0	4.4	20		12/13/19 09:31	100-41-4	
1,1,2,2-Tetrachloroethane	**<5.5**	ug/L	20.0	5.5	20		12/13/19 09:31	79-34-5	
Tetrachloroethene	**1250**	ug/L	21.8	6.5	20		12/13/19 09:31	127-18-4	M1
Toluene	**<3.4**	ug/L	100	3.4	20		12/13/19 09:31	108-88-3	
1,1,1-Trichloroethane	**<4.9**	ug/L	20.0	4.9	20		12/13/19 09:31	71-55-6	
1,1,2-Trichloroethane	**<11.0**	ug/L	100	11.0	20		12/13/19 09:31	79-00-5	
Trichloroethene	**119**	ug/L	20.0	5.1	20		12/13/19 09:31	79-01-6	M1
Vinyl chloride	**<3.5**	ug/L	20.0	3.5	20		12/13/19 09:31	75-01-4	
Xylene (Total)	**<30.0**	ug/L	60.0	30.0	20		12/13/19 09:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	91	%	70-130		20		12/13/19 09:31	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-130		20		12/13/19 09:31	460-00-4	
Toluene-d8 (S)	92	%	70-130		20		12/13/19 09:31	2037-26-5	
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		12/12/19 10:14		

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ANALYTICAL RESULTS

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Sample: EFFLUENT **Lab ID: 40200639002** Collected: 12/09/19 15:00 Received: 12/11/19 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV PAH by SIM	Analytical Method: EPA 625 SIM Preparation Method: EPA 625								
Benzo(a)anthracene	**<0.0068**	ug/L	0.034	0.0068	1	12/13/19 08:20	12/13/19 16:09	56-55-3	
Benzo(a)pyrene	**<0.0095**	ug/L	0.047	0.0095	1	12/13/19 08:20	12/13/19 16:09	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.026	0.0052	1	12/13/19 08:20	12/13/19 16:09	205-99-2	
Benzo(g,h,i)perylene	**<0.0061**	ug/L	0.031	0.0061	1	12/13/19 08:20	12/13/19 16:09	191-24-2	
Benzo(k)fluoranthene	**<0.0068**	ug/L	0.034	0.0068	1	12/13/19 08:20	12/13/19 16:09	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	12/13/19 08:20	12/13/19 16:09	218-01-9	
Dibenz(a,h)anthracene	**<0.0090**	ug/L	0.045	0.0090	1	12/13/19 08:20	12/13/19 16:09	53-70-3	
Fluoranthene	**<0.0096**	ug/L	0.048	0.0096	1	12/13/19 08:20	12/13/19 16:09	206-44-0	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.079	0.016	1	12/13/19 08:20	12/13/19 16:09	193-39-5	
Naphthalene	**<0.017**	ug/L	0.083	0.017	1	12/13/19 08:20	12/13/19 16:09	91-20-3	
Phenanthrene	**<0.012**	ug/L	0.062	0.012	1	12/13/19 08:20	12/13/19 16:09	85-01-8	
Pyrene	**<0.0069**	ug/L	0.034	0.0069	1	12/13/19 08:20	12/13/19 16:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	30-85		1	12/13/19 08:20	12/13/19 16:09	321-60-8	
Terphenyl-d14 (S)	100	%	10-120		1	12/13/19 08:20	12/13/19 16:09	1718-51-0	
624.1 Volatile Organics	Analytical Method: EPA 624.1								
Benzene	**<0.25**	ug/L	1.0	0.25	1		12/13/19 08:48	71-43-2	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		12/13/19 08:48	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		12/13/19 08:48	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		12/13/19 08:48	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		12/13/19 08:48	56-23-5	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/13/19 08:48	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		12/13/19 08:48	74-87-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/13/19 08:48	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/13/19 08:48	75-35-4	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		12/13/19 08:48	100-41-4	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		12/13/19 08:48	79-34-5	
Tetrachloroethene	**13.1**	ug/L	1.1	0.33	1		12/13/19 08:48	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		12/13/19 08:48	108-88-3	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/13/19 08:48	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/13/19 08:48	79-00-5	
Trichloroethene	**2.6**	ug/L	1.0	0.26	1		12/13/19 08:48	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/13/19 08:48	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		12/13/19 08:48	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	92	%	70-130		1		12/13/19 08:48	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		12/13/19 08:48	460-00-4	
Toluene-d8 (S)	94	%	70-130		1		12/13/19 08:48	2037-26-5	
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		12/12/19 10:14		

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ANALYTICAL RESULTS

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Sample: TRIP BLANK **Lab ID: 40200639003** Collected: 12/09/19 00:00 Received: 12/11/19 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1								
Benzene	**<0.25**	ug/L	1.0	0.25	1		12/13/19 09:52	71-43-2	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		12/13/19 09:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		12/13/19 09:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		12/13/19 09:52	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		12/13/19 09:52	56-23-5	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/13/19 09:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		12/13/19 09:52	74-87-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/13/19 09:52	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/13/19 09:52	75-35-4	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		12/13/19 09:52	100-41-4	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		12/13/19 09:52	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/13/19 09:52	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		12/13/19 09:52	108-88-3	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/13/19 09:52	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/13/19 09:52	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/13/19 09:52	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/13/19 09:52	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		12/13/19 09:52	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	89	%	70-130		1		12/13/19 09:52	1868-53-7	HS
4-Bromofluorobenzene (S)	95	%	70-130		1		12/13/19 09:52	460-00-4	
Toluene-d8 (S)	92	%	70-130		1		12/13/19 09:52	2037-26-5	

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QUALITY CONTROL DATA

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

QC Batch: 343281 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624.1 MSV
Associated Lab Samples: 40200639001, 40200639002, 40200639003

METHOD BLANK: 1993151 Matrix: Water
Associated Lab Samples: 40200639001, 40200639002, 40200639003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/13/19 06:41	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	12/13/19 06:41	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/13/19 06:41	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/13/19 06:41	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/13/19 06:41	
Benzene	ug/L	<0.25	1.0	12/13/19 06:41	
Bromodichloromethane	ug/L	<0.36	1.2	12/13/19 06:41	
Bromoform	ug/L	<4.0	13.2	12/13/19 06:41	
Bromomethane	ug/L	<0.97	5.0	12/13/19 06:41	
Carbon tetrachloride	ug/L	<0.17	1.0	12/13/19 06:41	
Chloroform	ug/L	<1.3	5.0	12/13/19 06:41	
Chloromethane	ug/L	<2.2	7.3	12/13/19 06:41	
Ethylbenzene	ug/L	<0.22	1.0	12/13/19 06:41	
Tetrachloroethene	ug/L	<0.33	1.1	12/13/19 06:41	
Toluene	ug/L	<0.17	5.0	12/13/19 06:41	
Trichloroethene	ug/L	<0.26	1.0	12/13/19 06:41	
Vinyl chloride	ug/L	<0.17	1.0	12/13/19 06:41	
Xylene (Total)	ug/L	<1.5	3.0	12/13/19 06:41	
4-Bromofluorobenzene (S)	%	94	70-130	12/13/19 06:41	
Dibromofluoromethane (S)	%	88	70-130	12/13/19 06:41	
Toluene-d8 (S)	%	93	70-130	12/13/19 06:41	

LABORATORY CONTROL SAMPLE: 1993152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.3	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	40.1	80	60-140	
1,1,2-Trichloroethane	ug/L	50	46.0	92	70-130	
1,1-Dichloroethene	ug/L	50	43.3	87	50-150	
1,2-Dichloroethane	ug/L	50	47.9	96	70-130	
Benzene	ug/L	50	43.6	87	65-135	
Bromodichloromethane	ug/L	50	47.0	94	65-135	
Bromoform	ug/L	50	54.1	108	70-130	
Bromomethane	ug/L	50	44.7	89	15-185	
Carbon tetrachloride	ug/L	50	50.5	101	70-130	
Chloroform	ug/L	50	42.5	85	70-135	
Chloromethane	ug/L	50	46.9	94	10-200	
Ethylbenzene	ug/L	50	45.6	91	60-140	
Tetrachloroethene	ug/L	50	54.7	109	70-130	
Toluene	ug/L	50	47.3	95	70-130	

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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QUALITY CONTROL DATA

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

LABORATORY CONTROL SAMPLE: 1993152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	49.5	99	65-135	
Vinyl chloride	ug/L	50	51.6	103	10-195	
Xylene (Total)	ug/L	150	144	96	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			90	70-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1993346 1993347

Parameter	Units	40200639001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<4.9	50	50	49.3	49.6	99	99	52-162	1	36	
1,1,2,2-Tetrachloroethane	ug/L	<5.5	50	50	46.3	45.7	93	91	46-157	1	50	
1,1,2-Trichloroethane	ug/L	<11.0	50	50	50.7	50.7	101	101	52-150	0	45	
1,1-Dichloroethene	ug/L	<4.9	50	50	45.1	45.5	90	91	10-200	1	32	
1,2-Dichloroethane	ug/L	<5.6	50	50	54.0	53.9	108	108	49-155	0	49	
Benzene	ug/L	<4.9	50	50	49.3	50.3	99	101	37-151	2	50	
Bromodichloromethane	ug/L	<7.3	50	50	51.5	52.9	103	106	35-155	3	50	
Bromoform	ug/L	<79.4	50	50	58.4	57.4	117	115	45-169	2	42	
Bromomethane	ug/L	<19.4	50	50	35.5	37.8	71	76	10-200	6	50	
Carbon tetrachloride	ug/L	<3.3	50	50	54.4	55.5	109	111	70-140	2	41	
Chloroform	ug/L	<25.5	50	50	47.8	48.4	96	97	51-138	1	50	
Chloromethane	ug/L	<43.8	50	50	42.7	43.5	85	87	10-200	2	50	
Ethylbenzene	ug/L	<4.4	50	50	51.6	50.8	103	102	37-162	2	20	
Tetrachloroethene	ug/L	1250	50	50	1740	1700	973	892	64-148	2	39	E,M1
Toluene	ug/L	<3.4	50	50	52.5	51.3	99	96	47-150	2	41	
Trichloroethene	ug/L	119	50	50	229	229	220	219	70-157	0	48	M1
Vinyl chloride	ug/L	<3.5	50	50	47.1	48.6	94	97	10-200	3	50	
Xylene (Total)	ug/L	<30.0	150	150	160	157	106	105	70-130	2	20	
4-Bromofluorobenzene (S)	%						96	95	70-130			
Dibromofluoromethane (S)	%						88	91	70-130			
Toluene-d8 (S)	%						93	91	70-130			

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.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

QC Batch: 343343 Analysis Method: EPA 625 SIM
QC Batch Method: EPA 625 Analysis Description: 625 Water PAH
Associated Lab Samples: 40200639001, 40200639002

METHOD BLANK: 1993404 Matrix: Water
Associated Lab Samples: 40200639001, 40200639002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/L	<0.0076	0.038	12/13/19 13:44	
Benzo(a)pyrene	ug/L	<0.011	0.053	12/13/19 13:44	
Benzo(b)fluoranthene	ug/L	0.0060J	0.029	12/13/19 13:44	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	12/13/19 13:44	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	12/13/19 13:44	
Chrysene	ug/L	<0.013	0.065	12/13/19 13:44	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	12/13/19 13:44	
Fluoranthene	ug/L	<0.011	0.053	12/13/19 13:44	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	12/13/19 13:44	
Naphthalene	ug/L	<0.018	0.092	12/13/19 13:44	
Phenanthrene	ug/L	<0.014	0.069	12/13/19 13:44	
Pyrene	ug/L	<0.0076	0.038	12/13/19 13:44	
2-Fluorobiphenyl (S)	%	60	30-85	12/13/19 13:44	
Terphenyl-d14 (S)	%	116	10-120	12/13/19 13:44	

LABORATORY CONTROL SAMPLE: 1993405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/L	2	1.6	81	39-120	
Benzo(a)pyrene	ug/L	2	1.8	91	57-117	
Benzo(b)fluoranthene	ug/L	2	1.5	76	54-117	
Benzo(g,h,i)perylene	ug/L	2	0.86	43	32-82	
Benzo(k)fluoranthene	ug/L	2	2.1	104	56-123	
Chrysene	ug/L	2	2.3	114	63-122	
Dibenz(a,h)anthracene	ug/L	2	0.73	37	23-76	
Fluoranthene	ug/L	2	1.6	78	52-112	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	74	49-110	
Naphthalene	ug/L	2	1.1	53	37-84	
Phenanthrene	ug/L	2	1.4	72	50-104	
Pyrene	ug/L	2	2.0	101	57-123	
2-Fluorobiphenyl (S)	%			66	30-85	
Terphenyl-d14 (S)	%			119	10-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

QC Batch: 343254 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40200639001, 40200639002

METHOD BLANK: 1992874 Matrix: Water
Associated Lab Samples: 40200639001, 40200639002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	12/12/19 10:13	

LABORATORY CONTROL SAMPLE: 1992875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	98.0	98	80-120	

SAMPLE DUPLICATE: 1992876

Parameter	Units	10501893001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2180	2140	2	10	

SAMPLE DUPLICATE: 1992877

Parameter	Units	10501893002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2080	2080	0	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 343399

[1]	An MS / MSD pair was extracted with this batch, it is reported with a different analytical batch. The MS / MSD passed all laboratory limits.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 323372 PH 2,TASK2 MKC-GETS
Pace Project No.: 40200639

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40200639001	**INFLUENT**	EPA 625	343343	EPA 625 SIM	343399
40200639002	**EFFLUENT**	EPA 625	343343	EPA 625 SIM	343399
40200639001	**INFLUENT**	EPA 624.1	343281		
40200639002	**EFFLUENT**	EPA 624.1	343281		
40200639003	**TRIP BLANK**	EPA 624.1	343281		
40200639001	**INFLUENT**	SM 2540D	343254		
40200639002	**EFFLUENT**	SM 2540D	343254		

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

Pace Analytical®
www.pacelabs.com

BR

40200639

CHAIN OF CUSTODY

Task 00002

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

(Please Print Clearly)	
Company Name:	TRC / MKC
Branch/Location:	MADISON, WI
Project Contact:	ANDREW STEHN
Phone:	608-826-3665
Project Number:	323372 Ph 00002
Project Name:	MKC - GETS dmm
Project State:	WI
Sampled By (Print):	Ben Wachholz
Sampled By (Sign):	Ben Wachholz
PO #: 323372. 00002 Ph 2 Task 2	Regulatory Program:

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

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

Matrix Codes

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

Quote #:	
Mail To Contact:	ANDREW STEHN
Mail To Company:	TRC
Mail To Address:	
Invoice To Contact:	ANDREW STEHN
Invoice To Company:	TRC
Invoice To Address:	
Invoice To Phone:	608-826-36665

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs (see attached)	TSS	PAHs (see attached)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B						
					N	A						
					N	A						
001	INFLUENT	12/9/19	15:15	GW			X	X	X	See attached VOC/PAH List ↓		
002	EFFLUENT	12/9/19	15:00	GW			X	X	X			
003	TB - received - added to COC by lab 12/11/19											

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew St (TRC)	12/10/19 9:00	PACE COOLER	12/10/19
Walco	12/11/19 0910		12/11/19 0910

PACE Project No. 40200639

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Container Order #566556

40200639

Order By :		Ship To :		Return To:	
Company	TRC - MADISON	Company	TRC - MADISON	Company	Pace Analytical Green Bay
Contact	Stehn, Andrew	Contact	Stehn, Andrew	Contact	Noltemeyer, Tod
Email	astehn@trcsolutions.com	Email	astehn@trcsolutions.com	Email	tod.noltemeyer@pacelabs.com
Address	708 Heartland Trail	Address	708 Heartland Trail	Address	1241 Bellevue Street
Address 2		Address 2		Address 2	Suite 9
City	Madison	City	Madison	City	Green Bay
State	WI Zip 53717	State	WI Zip 53717	State	WI Zip 54302
Phone	NONE	Phone	NONE	Phone	(920)469-2436

Info

Project Name	Madison Kipp	**Due Date**	11/26/2019	**Profile**		**Quote**	
Project	Noltemeyer, Tod	**Return**		**Carrier**	Most Economical	**Locatio**	

Trip Blanks
- [X] Include Trip Blanks

Bottle Labels
- [X] Blank
- [ ] Pre-Printed No Sample IDs
- [ ] Pre-Printed With Sample IDs

Bottles
- [ ] Boxed Cases
- [ ] Individually Wrapped
- [ ] Grouped By Sample

Return Shipping Labels
- [ ] No Shipper
- [ ] With Shipper

COC Options
- [X] Number of Blanks: 1
- [ ] Pre-Printed

Misc
- [ ] Sampling Instructions
- [X] Custody Seal
- [X] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush
- [ ] DI Liter(s)
- [ ] USDA Regulated Soils

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
1	WT	Trip BLANK	2-40mL HCl+DI water	2	0	B-9-170-01VB	
2	WT	VOC WI List	3-40ml clear vial HCl-hydrochloric acid	6	0	B-9-264-01VB	
2	WT	PAH by 625 SIM (low vol)	2-100 mL amber glass, unpres	4	2	D-9-100-05DB	
2	WT	TSS	1L plastic unpres	2	0	C-9-221-01BB	

Hazard Shipping Placard In Place : NA

*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your project manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to insure proper billing.

LAB USE:

Ship Date :	11/19/2019
Prepared By:	Mai Yer Her
Verified By:	

Sample

CLIENT USE (Optional):

Date Rec'd:	
Received By:	
Verified By:	

402000639

Madison-Kipp Corporation GETS Sampling Parameters
June/December 2019

VOCs

Parameter	Method
Bromoform	624
Carbon Tetrachloride	624
Chloroform	624
Dichlorobromomethane	624
1,2-Dichloroethane	624
1,1-Dichloroethylene	624
Methyl Bromide	624
Chloromethane	624
1,1,2,2-Tetrachloroethane	624
Tetrachloroethene	624
1,1,2-Trichloroethane	624
1,1,1-Trichloroethane	624
Trichloroethylene	624
Vinyl Chloride	624

PAHs

Parameter	Method
Benzo(a)pyrene	625 SIM
Naphthalene	625 SIM
Benzo(a)anthracene	625 SIM
Benzo(b)fluoranthene	625 SIM
Benzo(g,h,i)perylene	625 SIM
Benzo(k)fluoranthene	625 SIM
Chrysene	625 SIM
Dibenzo(a,h)anthracene	625 SIM
Fluoranthene	625 SIM
Indeno(1,2,3-cd)pyrene	625 SIM
Phenanthrene	625 SIM
Pyrene	625 SIM

BTEX

Parameter	Method
Benzene	624
Toluene	624
Ethylbenzene	624
Xylenes	624

TSS

Parameter	Method
Total Suspended Solids	2540D

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

Sample Preservation Receipt Form

Client Name: TRC Project # 40200639

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

Initial when completed: Date/ Time:

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			*					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm)	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001					N			1										3															2.5 / 5 / 10
002					N			1										3															2.5 / 5 / 10
003																		2									N						2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40200639

40200639

Client Name: TRC

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

Tracking #: 2270698

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

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

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

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

Cooler Temperature Uncorr: 0.1 /Corr:

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

Person examining contents:
Date: 12/11/19
Initials:

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☐No	7.
Sufficient Volume:		8.
For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☐N/A	
Containers Intact:	☐Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 438		

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: AL for TN **Date:** 12/11/19

Appendix D: Semi-Annually GETS Influent and Effluent Vapor Laboratory Analytical Reports

eurofins | Air Toxics

12/28/2019
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC-GETS
Project #: 323372.0000.0000 Ph 2 Tsk 2
Workorder #: 1912344

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 12/13/2019 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1912344

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Companies, Inc. 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	132942
FAX:	608-826-3941	**PROJECT #**	323372.0000.0000 Ph 2 Tsk 2 MKC-GETS
DATE RECEIVED:	12/13/2019	**CONTACT:**	Ausha Scott
DATE COMPLETED:	12/28/2019		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Effluent	TO-15	7.5 "Hg	15 psi
02A	Influent	TO-15	9.0 "Hg	15 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 12/28/19

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209218, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-18-13, UT NELAP – CA009332019-11, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-011, Effective date: 10/18/2019, Expiration date: 10/17/2020.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1912344

Two 1 Liter Summa Canister samples were received on December 13, 2019. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples Effluent and Influent due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Effluent

Lab ID#: 1912344-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.1	11	5.3	27
cis-1,2-Dichloroethene	2.1	530	8.2	2100
Trichloroethene	2.1	430	11	2300
Tetrachloroethene	2.1	230	14	1600

Client Sample ID: Influent

Lab ID#: 1912344-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.2	10	5.7	27
cis-1,2-Dichloroethene	2.2	890	8.8	3500
Trichloroethene	2.2	350	12	1900
Toluene	2.2	2.6	8.4	9.7
Tetrachloroethene	2.2	810	15	5500
m,p-Xylene	2.2	2.3	9.6	10

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Client Sample ID: Effluent

Lab ID#: 1912344-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121732**	**Date of Collection:**	**12/9/19 9:40:00 AM**
Dil. Factor:	**4.14**	**Date of Analysis:**	**12/18/19 08:33 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.1	Not Detected	10	Not Detected
Freon 114	2.1	Not Detected	14	Not Detected
Chloromethane	21	Not Detected	43	Not Detected
Vinyl Chloride	2.1	11	5.3	27
Bromomethane	21	Not Detected	80	Not Detected
Chloroethane	8.3	Not Detected	22	Not Detected
Freon 11	2.1	Not Detected	12	Not Detected
Freon 113	2.1	Not Detected	16	Not Detected
1,1-Dichloroethene	2.1	Not Detected	8.2	Not Detected
Methylene Chloride	21	Not Detected	72	Not Detected
Methyl tert-butyl ether	8.3	Not Detected	30	Not Detected
1,1-Dichloroethane	2.1	Not Detected	8.4	Not Detected
cis-1,2-Dichloroethene	2.1	530	8.2	2100
Chloroform	2.1	Not Detected	10	Not Detected
1,1,1-Trichloroethane	2.1	Not Detected	11	Not Detected
Carbon Tetrachloride	2.1	Not Detected	13	Not Detected
Benzene	2.1	Not Detected	6.6	Not Detected
1,2-Dichloroethane	2.1	Not Detected	8.4	Not Detected
Trichloroethene	2.1	430	11	2300
1,2-Dichloropropane	2.1	Not Detected	9.6	Not Detected
cis-1,3-Dichloropropene	2.1	Not Detected	9.4	Not Detected
Toluene	2.1	Not Detected	7.8	Not Detected
trans-1,3-Dichloropropene	2.1	Not Detected	9.4	Not Detected
1,1,2-Trichloroethane	2.1	Not Detected	11	Not Detected
Tetrachloroethene	2.1	230	14	1600
1,2-Dibromoethane (EDB)	2.1	Not Detected	16	Not Detected
Chlorobenzene	2.1	Not Detected	9.5	Not Detected
Ethyl Benzene	2.1	Not Detected	9.0	Not Detected
m,p-Xylene	2.1	Not Detected	9.0	Not Detected
o-Xylene	2.1	Not Detected	9.0	Not Detected
Styrene	2.1	Not Detected	8.8	Not Detected
1,1,2,2-Tetrachloroethane	2.1	Not Detected	14	Not Detected
1,3,5-Trimethylbenzene	2.1	Not Detected	10	Not Detected
1,2,4-Trimethylbenzene	2.1	Not Detected	10	Not Detected
1,3-Dichlorobenzene	2.1	Not Detected	12	Not Detected
1,4-Dichlorobenzene	2.1	Not Detected	12	Not Detected
alpha-Chlorotoluene	2.1	Not Detected	11	Not Detected
1,2-Dichlorobenzene	2.1	Not Detected	12	Not Detected
1,2,4-Trichlorobenzene	8.3	Not Detected	61	Not Detected
Hexachlorobutadiene	8.3	Not Detected	88	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Effluent

Lab ID#: 1912344-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121732**	**Date of Collection: 12/9/19 9:40:00 AM**	
Dil. Factor:	**4.14**	**Date of Analysis: 12/18/19 08:33 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: Influent

Lab ID#: 1912344-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121725**	**Date of Collection: 12/9/19 10:52:00 AM**	
Dil. Factor:	**4.44**	**Date of Analysis: 12/18/19 01:19 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.2	Not Detected	11	Not Detected
Freon 114	2.2	Not Detected	16	Not Detected
Chloromethane	22	Not Detected	46	Not Detected
Vinyl Chloride	2.2	10	5.7	27
Bromomethane	22	Not Detected	86	Not Detected
Chloroethane	8.9	Not Detected	23	Not Detected
Freon 11	2.2	Not Detected	12	Not Detected
Freon 113	2.2	Not Detected	17	Not Detected
1,1-Dichloroethene	2.2	Not Detected	8.8	Not Detected
Methylene Chloride	22	Not Detected	77	Not Detected
Methyl tert-butyl ether	8.9	Not Detected	32	Not Detected
1,1-Dichloroethane	2.2	Not Detected	9.0	Not Detected
cis-1,2-Dichloroethene	2.2	890	8.8	3500
Chloroform	2.2	Not Detected	11	Not Detected
1,1,1-Trichloroethane	2.2	Not Detected	12	Not Detected
Carbon Tetrachloride	2.2	Not Detected	14	Not Detected
Benzene	2.2	Not Detected	7.1	Not Detected
1,2-Dichloroethane	2.2	Not Detected	9.0	Not Detected
Trichloroethene	2.2	350	12	1900
1,2-Dichloropropane	2.2	Not Detected	10	Not Detected
cis-1,3-Dichloropropene	2.2	Not Detected	10	Not Detected
Toluene	2.2	2.6	8.4	9.7
trans-1,3-Dichloropropene	2.2	Not Detected	10	Not Detected
1,1,2-Trichloroethane	2.2	Not Detected	12	Not Detected
Tetrachloroethene	2.2	810	15	5500
1,2-Dibromoethane (EDB)	2.2	Not Detected	17	Not Detected
Chlorobenzene	2.2	Not Detected	10	Not Detected
Ethyl Benzene	2.2	Not Detected	9.6	Not Detected
m,p-Xylene	2.2	2.3	9.6	10
o-Xylene	2.2	Not Detected	9.6	Not Detected
Styrene	2.2	Not Detected	9.4	Not Detected
1,1,2,2-Tetrachloroethane	2.2	Not Detected	15	Not Detected
1,3,5-Trimethylbenzene	2.2	Not Detected	11	Not Detected
1,2,4-Trimethylbenzene	2.2	Not Detected	11	Not Detected
1,3-Dichlorobenzene	2.2	Not Detected	13	Not Detected
1,4-Dichlorobenzene	2.2	Not Detected	13	Not Detected
alpha-Chlorotoluene	2.2	Not Detected	11	Not Detected
1,2-Dichlorobenzene	2.2	Not Detected	13	Not Detected
1,2,4-Trichlorobenzene	8.9	Not Detected	66	Not Detected
Hexachlorobutadiene	8.9	Not Detected	95	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Influent

Lab ID#: 1912344-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121725**	**Date of Collection: 12/9/19 10:52:00 AM**	
Dil. Factor:	**4.44**	**Date of Analysis: 12/18/19 01:19 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1912344-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 12:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1912344-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 12:32 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: CCV

Lab ID#: 1912344-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121702**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 10:25 AM**

Compound	%Recovery
Freon 12	102
Freon 114	104
Chloromethane	98
Vinyl Chloride	110
Bromomethane	98
Chloroethane	100
Freon 11	98
Freon 113	99
1,1-Dichloroethene	115
Methylene Chloride	99
Methyl tert-butyl ether	102
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	111
Chloroform	100
1,1,1-Trichloroethane	94
Carbon Tetrachloride	97
Benzene	105
1,2-Dichloroethane	91
Trichloroethene	101
1,2-Dichloropropane	102
cis-1,3-Dichloropropene	101
Toluene	102
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	102
Tetrachloroethene	98
1,2-Dibromoethane (EDB)	100
Chlorobenzene	98
Ethyl Benzene	102
m,p-Xylene	102
o-Xylene	104
Styrene	98
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	94
1,2,4-Trimethylbenzene	99
1,3-Dichlorobenzene	97
1,4-Dichlorobenzene	97
alpha-Chlorotoluene	86
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	101
Hexachlorobutadiene	101

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 1912344-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 10:25 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCS

Lab ID#: 1912344-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 10:52 AM**	

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	107	70-130
Chloromethane	95	70-130
Vinyl Chloride	107	70-130
Bromomethane	99	70-130
Chloroethane	103	70-130
Freon 11	95	70-130
Freon 113	98	70-130
1,1-Dichloroethene	108	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	101	70-130
1,1-Dichloroethane	102	70-130
cis-1,2-Dichloroethene	98	70-130
Chloroform	97	70-130
1,1,1-Trichloroethane	94	70-130
Carbon Tetrachloride	95	70-130
Benzene	104	70-130
1,2-Dichloroethane	89	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	100	70-130
cis-1,3-Dichloropropene	107	70-130
Toluene	101	70-130
trans-1,3-Dichloropropene	103	70-130
1,1,2-Trichloroethane	105	70-130
Tetrachloroethene	99	70-130
1,2-Dibromoethane (EDB)	102	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	104	70-130
m,p-Xylene	103	70-130
o-Xylene	105	70-130
Styrene	106	70-130
1,1,2,2-Tetrachloroethane	99	70-130
1,3,5-Trimethylbenzene	103	70-130
1,2,4-Trimethylbenzene	104	70-130
1,3-Dichlorobenzene	97	70-130
1,4-Dichlorobenzene	100	70-130
alpha-Chlorotoluene	106	70-130
1,2-Dichlorobenzene	102	70-130
1,2,4-Trichlorobenzene	102	70-130
Hexachlorobutadiene	104	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1912344-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 10:52 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	87	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCSD

Lab ID#: 1912344-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 11:19 AM**	

Compound	%Recovery	Method Limits
Freon 12	102	70-130
Freon 114	109	70-130
Chloromethane	101	70-130
Vinyl Chloride	108	70-130
Bromomethane	105	70-130
Chloroethane	106	70-130
Freon 11	98	70-130
Freon 113	99	70-130
1,1-Dichloroethene	111	70-130
Methylene Chloride	96	70-130
Methyl tert-butyl ether	101	70-130
1,1-Dichloroethane	103	70-130
cis-1,2-Dichloroethene	101	70-130
Chloroform	100	70-130
1,1,1-Trichloroethane	95	70-130
Carbon Tetrachloride	97	70-130
Benzene	104	70-130
1,2-Dichloroethane	90	70-130
Trichloroethene	103	70-130
1,2-Dichloropropane	102	70-130
cis-1,3-Dichloropropene	109	70-130
Toluene	102	70-130
trans-1,3-Dichloropropene	105	70-130
1,1,2-Trichloroethane	104	70-130
Tetrachloroethene	100	70-130
1,2-Dibromoethane (EDB)	102	70-130
Chlorobenzene	101	70-130
Ethyl Benzene	105	70-130
m,p-Xylene	106	70-130
o-Xylene	106	70-130
Styrene	108	70-130
1,1,2,2-Tetrachloroethane	101	70-130
1,3,5-Trimethylbenzene	106	70-130
1,2,4-Trimethylbenzene	105	70-130
1,3-Dichlorobenzene	100	70-130
1,4-Dichlorobenzene	102	70-130
alpha-Chlorotoluene	107	70-130
1,2-Dichlorobenzene	103	70-130
1,2,4-Trichlorobenzene	106	70-130
Hexachlorobutadiene	107	70-130

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1912344-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a121704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/17/19 11:19 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	102	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 1912344

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

page--of --- 1 of 1

Client: TRC / MKC
Project Name: MKC - GETS
Project Manager: K. VATER
Project # 323372.0000.0000
Sampler: J. Roelke
Ph. 2 Trc 2
Site Name: MKC

Special Instructions/Notes: PO # 132939

Turnaround Time (Rush surcharges may apply)
Standard X Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-15			
	~~Combined Influent~~	IL2736	1824	12/9/19		12/9/19		27.0							
01A	~~Combined~~ Effluent	IL2722	1910	12/9/19	09:39	12/9/19	09:40	29.0	7.0			X			
02A	Influent	IL1926	1824	12/9/19	10:51	12/9/19	10:52	27.5	7.0			X			

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
(TRC)	12/11/19	0800	FED EX	12/11/19	
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation) EARL	Date 12/13/19	Time 1013
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? | Yes | No | None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

Appendix E: October 2019 Groundwater Monitoring Laboratory Analytical Reports and Historical Groundwater Analytical Summary Table

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

November 18, 2019

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717

RE: Madison Kipp Corporation - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/ 11/2019.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

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ECCS Mobile Lab Services

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5D2	A194128-01	Water	10/10/2019	10/11/2019
MW-5D3	A194128-02	Water	10/10/2019	10/11/2019
MW-25D	A194128-03	Water	10/09/2019	10/11/2019
MW-25D2	A194128-04	Water	10/09/2019	10/11/2019
MW-27D	A194128-05	Water	10/10/2019	10/11/2019
MW-27D2	A194128-06	Water	10/10/2019	10/11/2019
DUP-01	A194128-07	Water	10/10/2019	10/11/2019
Trip Blank	A194128-08	Water	10/08/2019	10/11/2019
MW-4D2	A194128-09	Water	10/11/2019	10/11/2019
MW-4S	A194128-10	Water	10/11/2019	10/11/2019
MP-15 (177-187)	A194128-11	Water	10/08/2019	10/11/2019
MP-15 (142-146)	A194128-12	Water	10/08/2019	10/11/2019
MP-15 (120-125)	A194128-13	Water	10/08/2019	10/11/2019
MP-15 (100-105)	A194128-14	Water	10/08/2019	10/11/2019
MP-15 (088-092)	A194128-15	Water	10/08/2019	10/11/2019
MP-16 (175-179)	A194128-16	Water	10/09/2019	10/11/2019
MP-16 (140-144)	A194128-17	Water	10/09/2019	10/11/2019
MP-16 (106-116)	A194128-18	Water	10/09/2019	10/11/2019
MW-5S	A194128-19	Water	10/10/2019	10/11/2019
MW-5D	A194128-20	Water	10/10/2019	10/11/2019
MP-13 (163-167)	A194128-21	Water	10/08/2019	10/11/2019
MP-13 (135-139)	A194128-22	Water	10/08/2019	10/11/2019
MP-13 (121-125)	A194128-23	Water	10/08/2019	10/11/2019
MP-13 (102-106)	A194128-24	Water	10/08/2019	10/11/2019
MP-13 (081-085)	A194128-25	Water	10/08/2019	10/11/2019
MP-13 (067-071)	A194128-26	Water	10/08/2019	10/11/2019
MP-13 (044-048)	A194128-27	Water	10/08/2019	10/11/2019
MP-14 (170-178)	A194128-28	Water	10/09/2019	10/11/2019
MP-14 (135-140)	A194128-29	Water	10/09/2019	10/11/2019
MP-14 (100-105)	A194128-30	Water	10/09/2019	10/11/2019

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

CASE NARRATIVE

Sample Receipt Information:
30 samples were received on 10/11/2019. Samples were received on ice. Samples were received in acceptable condition, with the exception of the label discrepancies noted below.

Sample A194128-11 had a discrepancy between the sample description on the chain of custody (COC) and the sample description on the container. The container description is correct.

The description for sample A194128-09 was changed per client instruction.

VOC, TDS and TSS analysis was subcontracted to Pace Analytical in Green Bay, WI. Please see their appended report for quality control results.

Please see the COC document at the end of this report for additional information.

Continuing Calibration Verification (CCV):
CCV indicates a potential high bias for PCB-1016 and PCB-1242 for samples A194128-10 and A194128-19. Samples were less than the reporting limit for these analytes so no further action is required.

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5D2

A194128-01 (Water)

Date Sampled
10/10/2019 16:34

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	**1.2**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,1-Dichloroethene	**0.29**	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	J
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
cis-1,2-Dichloroethene	**10.9**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5D2

A194128-01 (Water)

Date Sampled
10/10/2019 16:34

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Tetrachloroethene	**2150**	16.3	54.4	ug/L	50	10/16/2019	10/16/2019 10:51	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Trichloroethene	**29.2**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 18:36	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5D3

A194128-02 (Water)

Date Sampled
10/10/2019 14:06

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5D3

A194128-02 (Water)

Date Sampled
10/10/2019 14:06

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 18:16	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-25D

A194128-03 (Water)

Date Sampled
10/09/2019 17:28

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-25D

A194128-03 (Water)

Date Sampled
10/09/2019 17:28

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Tetrachloroethene	**0.36**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	J
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 09:12	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-25D2

A194128-04 (Water)

Date Sampled
10/09/2019 15:34

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-25D2

A194128-04 (Water)

Date Sampled
10/09/2019 15:34

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 09:32	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-27D

A194128-05 (Water)

Date Sampled
10/10/2019 11:33

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
cis-1,2-Dichloroethene	**1.1**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-27D

A194128-05 (Water)

Date Sampled
10/10/2019 11:33

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 19:35	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-27D2

A194128-06 (Water)

Date Sampled
10/10/2019 10:32

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
cis-1,2-Dichloroethene	**12.7**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-27D2

A194128-06 (Water)

Date Sampled
10/10/2019 10:32

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Tetrachloroethene	**28.7**	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Trichloroethene	**23.6**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 19:55	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

DUP-01

A194128-07 (Water)

Date Sampled
10/10/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	**1.1**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
cis-1,2-Dichloroethene	**11.3**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-01

A194128-07 (Water)

Date Sampled
10/10/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Tetrachloroethene	**2120**	16.3	54.4	ug/L	50	10/16/2019	10/16/2019 13:31	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Trichloroethene	**30.2**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 20:14	EPA 8260	

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2525 Advance Road
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

Trip Blank

A194128-08 (Water)

Date Sampled
10/08/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Acetone	**2.8**	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	J
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

Trip Blank

A194128-08 (Water)

Date Sampled
10/08/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 17:56	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4D2

A194128-09 (Water)

Date Sampled
10/11/2019 10:01

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-4D2

A194128-09 (Water)

Date Sampled
10/11/2019 10:01

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Tetrachloroethene	**0.46**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	J
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 09:52	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4S

A194128-10 (Water)

Date Sampled
10/11/2019 10:28

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A910298**		
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 19:57	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*86.2 %*	*68.8-135*		*10/30/2019*	*11/17/2019 19:57*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*93.9 %*	*82.2-139*		*10/30/2019*	*11/17/2019 19:57*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
SM 2540C							**Preparation Batch:WET 36859**		
Total Dissolved Solids	**2150**	8.7	20.0	mg/L	1	10/15/2019	10/15/2019 16:43	SM 2540C	
SM 2540D							**Preparation Batch:WET 36863**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/16/2019	10/16/2019 10:40	SM 2540D	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (177-187)

A194128-11 (Water)

Date Sampled
10/08/2019 15:05

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (177-187)

A194128-11 (Water)

Date Sampled
10/08/2019 15:05

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Tetrachloroethene	**4.2**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Trichloroethene	**0.43**	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	J
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 10:11	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (142-146)

A194128-12 (Water)

Date Sampled
10/08/2019 15:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,1-Dichloroethene	**0.31**	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	J
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
cis-1,2-Dichloroethene	**173**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (142-146)

A194128-12 (Water)

Date Sampled
10/08/2019 15:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Tetrachloroethene	**2170**	16.3	54.4	ug/L	50	10/16/2019	10/16/2019 13:51	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
trans-1,2-Dichloroethene	**1.4**	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	J
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Trichloroethene	**191**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	
Vinyl chloride	**0.70**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	J
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 21:14	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-15 (120-125)

A194128-13 (Water)

Date Sampled
10/08/2019 15:50

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
cis-1,2-Dichloroethene	**53.5**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (120-125)

A194128-13 (Water)

Date Sampled
10/08/2019 15:50

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Tetrachloroethene	**1160**	6.5	21.8	ug/L	20	10/16/2019	10/16/2019 14:11	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Trichloroethene	**71.7**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 21:34	EPA 8260	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (100-105)

A194128-14 (Water)

Date Sampled
10/08/2019 16:15

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
cis-1,2-Dichloroethene	**52.5**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-15 (100-105)

A194128-14 (Water)

Date Sampled
10/08/2019 16:15

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Tetrachloroethene	**867**	3.3	10.9	ug/L	10	10/16/2019	10/16/2019 14:50	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Trichloroethene	**76.9**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	
Vinyl chloride	**0.38**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	J
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 21:54	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (088-092)

A194128-15 (Water)

Date Sampled
10/08/2019 16:45

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,2-Dichloroethane	**0.42**	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	J
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
cis-1,2-Dichloroethene	**24.9**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-15 (088-092)

A194128-15 (Water)

Date Sampled
10/08/2019 16:45

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Tetrachloroethene	**232**	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Trichloroethene	**19.1**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 22:13	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-16 (175-179)

A194128-16 (Water)

Date Sampled
10/09/2019 12:40

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
cis-1,2-Dichloroethene	**0.29**	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	J
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	

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Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-16 (175-179)

A194128-16 (Water)

Date Sampled
10/09/2019 12:40

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Tetrachloroethene	**8.9**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Trichloroethene	**1.6**	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 10:31	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-16 (140-144)

A194128-17 (Water)

Date Sampled
10/09/2019 12:55

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
cis-1,2-Dichloroethene	**3.9**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-16 (140-144)

A194128-17 (Water)

Date Sampled
10/09/2019 12:55

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Tetrachloroethene	**52.2**	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Trichloroethene	**11.3**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 22:53	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-16 (106-116)

A194128-18 (Water)

Date Sampled
10/09/2019 13:15

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
cis-1,2-Dichloroethene	**6.8**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	

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Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-16 (106-116)

A194128-18 (Water)

Date Sampled
10/09/2019 13:15

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Tetrachloroethene	**59.0**	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Trichloroethene	**9.6**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 23:13	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5S

A194128-19 (Water)

Date Sampled
10/10/2019 14:44

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 20:22	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*87.4 %*	*68.8-135*		*10/30/2019*	*11/17/2019 20:22*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*92.1 %*	*82.2-139*		*10/30/2019*	*11/17/2019 20:22*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5S

A194128-19 (Water)

Date Sampled
10/10/2019 14:44

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Carbon tetrachloride	**0.91**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	J
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Tetrachloroethene	**49.2**	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 23:33	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-5S

A194128-19 (Water)

Date Sampled
10/10/2019 14:44

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C							**Preparation Batch:WET 36859**		
Total Dissolved Solids	**1050**	8.7	20.0	mg/L	1	10/15/2019	10/15/2019 16:43	SM 2540C	
SM 2540D							**Preparation Batch:WET 36863**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/16/2019	10/16/2019 10:40	SM 2540D	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5D

A194128-20 (Water)

Date Sampled
10/10/2019 13:58

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	**0.31**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	J
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Carbon tetrachloride	**0.44**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	J
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Chloroform	**1.6**	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	J
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
cis-1,2-Dichloroethene	**85.4**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-5D

A194128-20 (Water)

Date Sampled
10/10/2019 13:58

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Tetrachloroethene	**1500**	8.2	27.2	ug/L	25	10/16/2019	10/16/2019 14:31	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
trans-1,2-Dichloroethene	**1.7**	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	J
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Trichloroethene	**48.3**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 23:52	EPA 8260	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (163-167)

A194128-21 (Water)

Date Sampled
10/08/2019 09:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Acetone	**15.3**	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	J
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
cis-1,2-Dichloroethene	**23.2**	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (163-167)

A194128-21 (Water)

Date Sampled
10/08/2019 09:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49457**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Tetrachloroethene	**79.7**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Toluene	**0.33**	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	J
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Trichloroethene	**9.1**	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	
Vinyl chloride	**0.38**	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	J
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 00:12	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-13 (135-139)

A194128-22 (Water)

Date Sampled
10/08/2019 09:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,1-Dichloroethene	**0.40**	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	J
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
cis-1,2-Dichloroethene	**166**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (135-139)

A194128-22 (Water)

Date Sampled
10/08/2019 09:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Tetrachloroethene	**3290**	16.3	54.4	ug/L	50	10/16/2019	10/16/2019 19:04	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
trans-1,2-Dichloroethene	**2.5**	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	J
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Trichloroethene	**285**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	
Vinyl chloride	**0.63**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	J
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 17:26	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-13 (121-125)

A194128-23 (Water)

Date Sampled
10/08/2019 10:20

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,2-Dichloroethane	**0.94**	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	J
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
cis-1,2-Dichloroethene	**69.6**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-13 (121-125)

A194128-23 (Water)

Date Sampled
10/08/2019 10:20

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Tetrachloroethene	**715**	3.3	10.9	ug/L	10	10/16/2019	10/16/2019 17:58	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Trichloroethene	**101**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 17:49	EPA 8260	

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2525 Advance Road
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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (102-106)

A194128-24 (Water)

Date Sampled
10/08/2019 10:55

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	**0.37**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	J
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,1-Dichloroethene	**0.48**	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	J
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,2-Dichloroethane	**0.67**	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	J
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
cis-1,2-Dichloroethene	**227**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-13 (102-106)

A194128-24 (Water)

Date Sampled
10/08/2019 10:55

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Tetrachloroethene	**822**	3.3	10.9	ug/L	10	10/16/2019	10/16/2019 18:20	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
trans-1,2-Dichloroethene	**4.1**	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Trichloroethene	**195**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	
Vinyl chloride	**0.63**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	J
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 18:11	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (081-085)

A194128-25 (Water)

Date Sampled
10/08/2019 12:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,1-Dichloroethene	**0.48**	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	J
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
cis-1,2-Dichloroethene	**259**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (081-085)

A194128-25 (Water)

Date Sampled
10/08/2019 12:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Tetrachloroethene	**702**	1.6	5.4	ug/L	5	10/16/2019	10/16/2019 17:36	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
trans-1,2-Dichloroethene	**3.2**	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	J
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Trichloroethene	**160**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Vinyl chloride	**9.1**	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 18:34	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (067-071)

A194128-26 (Water)

Date Sampled
10/08/2019 13:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Chloroform	**1.5**	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	J
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
cis-1,2-Dichloroethene	**5.5**	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (067-071)

A194128-26 (Water)

Date Sampled
10/08/2019 13:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Tetrachloroethene	**23.2**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Trichloroethene	**4.3**	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 14:13	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (044-048)

A194128-27 (Water)

Date Sampled
10/08/2019 13:40

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
cis-1,2-Dichloroethene	**17.5**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	

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Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-13 (044-048)

A194128-27 (Water)

Date Sampled
10/08/2019 13:40

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Tetrachloroethene	**105**	0.33	1.1	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Trichloroethene	**24.2**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 19:19	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-14 (170-178)

A194128-28 (Water)

Date Sampled
10/09/2019 10:20

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
cis-1,2-Dichloroethene	**29.0**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-14 (170-178)

A194128-28 (Water)

Date Sampled
10/09/2019 10:20

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Tetrachloroethene	**654**	3.3	10.9	ug/L	10	10/16/2019	10/16/2019 18:42	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Trichloroethene	**54.6**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 19:42	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MP-14 (135-140)

A194128-29 (Water)

Date Sampled
10/09/2019 10:45

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
cis-1,2-Dichloroethene	**13.8**	0.27	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-14 (135-140)

A194128-29 (Water)

Date Sampled
10/09/2019 10:45

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Tetrachloroethene	**303**	0.82	2.7	ug/L	2.5	10/16/2019	10/16/2019 17:14	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Trichloroethene	**26.1**	0.26	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/15/2019	10/15/2019 20:05	EPA 8260	

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608.221.4889 Fax

TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-14 (100-105)

A194128-30 (Water)

Date Sampled
10/09/2019 11:10

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MP-14 (100-105)

A194128-30 (Water)

Date Sampled
10/09/2019 11:10

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49458**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Tetrachloroethene	**0.94**	0.33	1.1	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	J
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/16/2019	10/16/2019 13:47	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A910298 - EPA 3511										
Blank (A910298-BLK1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 18:42						
PCB-1016	ND	0.13	ug/L							
PCB-1221	ND	0.25	ug/L							
PCB-1232	ND	0.13	ug/L							
PCB-1242	ND	0.13	ug/L							
PCB-1248	ND	0.13	ug/L							
PCB-1254	ND	0.13	ug/L							
PCB-1260	ND	0.13	ug/L							
Total PCBs	ND	0.25	ug/L							
Surrogate: Tetrachloro-meta-xylene	*0.647*		*ug/L*	*0.7500*		*86.2*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.720*		*ug/L*	*0.7500*		*96.0*	*82.2-139*			
LCS (A910298-BS1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 19:07						
PCB-1016	15.1	0.13	ug/L	12.50		121	69.9-149			
PCB-1260	14.5	0.13	ug/L	12.50		116	82.2-144			
Surrogate: Tetrachloro-meta-xylene	*0.727*		*ug/L*	*0.7500*		*96.9*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.823*		*ug/L*	*0.7500*		*110*	*82.2-139*			
Matrix Spike (A910298-MS1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 03:54						
PCB-1016	16.4	0.12	ug/L	12.47	ND	131	60-140			
PCB-1260	16.3	0.12	ug/L	12.47	ND	131	60-140			
Surrogate: Tetrachloro-meta-xylene	*0.782*		*ug/L*	*0.7481*		*105*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.870*		*ug/L*	*0.7481*		*116*	*82.2-139*			
Matrix Spike Dup (A910298-MSD1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 04:20						
PCB-1016	14.9	0.13	ug/L	12.50	ND	119	60-140	9.37	20	
PCB-1260	15.2	0.13	ug/L	12.50	ND	122	60-140	6.76	20	
Surrogate: Tetrachloro-meta-xylene	*0.710*		*ug/L*	*0.7500*		*94.7*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.800*		*ug/L*	*0.7500*		*107*	*82.2-139*			

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Notes and Definitions

J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
ND	Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Pace Analytical - ECCS Division
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 11736 Page: 1 of: 3

Lab Work Order #: A194128

Project Number: 323372 Ph. 7 Task 4 PO Number: 132937
Project Name: Madison Kipp Corporation / TRC
Project Location (City, State): Madison, WI
Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wes Braga, Tom Perkins

Preservation Codes: B A A A
Analyses Requested: VOC | PCB | TDS | TSS

Report To: Andrew Stehn
Company: TRC
Address 1:
Address 2:
E-mail Address:
Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOC	PCB	TDS	TSS	Comments	Lab ID	Lab Receipt Time
MW-5D2	10/10/19	1634	GW	2	X					01	
MW-5D3	10/10/19	1406	GW	9	X				MS/MSD	02	
MW-25D	10/9/19	1728	GW	3	X					03	
MW-25D2	10/9/19	1534	GW	3	X					04	
MW-27D	10/10/19	1133	GW	3	X					05	
MW-27D2	10/10/19	1032	GW	3	X					06	
DUP-01	10/10/19	-	GW	3	X					07	
Trip Blank	-	-	GW	1	X					08	
MW-4D2 ~~2~~ 10-29-19	10/11/19	1001	GW	3	X					09	
MW-4S	10/11/19	1028	GW	4		X	X	X		10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: Wesley J Mann	Date: 10/11/19	Time: 1100	Received By:	Date: 10-11-19	Time: 1100
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk in
Receipt Temp: on ice
Thermometer #/ Exp. Date:
Temp Blank: ☐ Y ☐ N

Rev. 12/15

Page 66 of 153 A194128 FINAL 11 18 2019 1457

Pace Analytical - ECCS Division
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 11738 Page: 2 of: 3

Lab Work Order #: A194128

Project Number: PO Number: 132937

Project Name: Madison Kipp Corporation / TRC

Project Location (City, State): madison, WI

Turn Around (check one): [X] Normal [ ] Rush

If Rush, Report Due Date:

Sampled By (Print): Wes Bragar, Tom Perkins

Preservation Codes: B A A A

Analyses Requested

Report To:
Company:
Address 1:
Address 2:
E-mail Address:

Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOC	PCB	TDS	TSS			Comments	Lab ID	Lab Receipt Time
MP-15 (177-178)	10/8/19	1505	GW	3	X						* labeled 177-187 jp	11	
MP-15 (142-146)	10/8/19	1530	GW	3	X							12	
MP-15 (120-125)	10/8/19	1550	GW	3	X							13	
MP-15 (100-105)	10/8/19	1615	GW	3	X							14	
MP-15 (088-092)	10/8/19	1645	GW	3	X							15	
MP-16 (175-179)	10/9/19	1240	GW	3	X							16	
MP-16 (140-144)	10/9/19	1255	GW	3	X							17	
MP-16 (106-116)	10/9/19	1315	GW	3	X							18	
MW-5S	10/10/19	1444	GW	7	X	X	X	X				19	
MW-5D	10/10/19	1358	GW	3	X							20	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: [signature] Date: 10/11/19 Time: 1100 Received By: [signature] Date: 10-11-19 Time: 1100

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

Custody Seal: [X] NA [ ] Intact [ ] Not Intact

Shipped Via: Walk-in

Receipt Temp: on ice

Thermometer #/ Exp. Date:

Temp Blank: [ ] Y [ ] N

Rev. 12/15

Page 67 of 153 A194128 FINAL 11 18 2019 1457

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608-221-4889 (fax)

CHAIN OF CUSTODY

No. 11737

Page: 3 of: 3

Lab Work Order #: A194128

Project Number: PO Number:

Project Name:

Project Location (City, State): Pg 1

Turn Around (check one): ☐ Normal ☐ Rush

If Rush, Report Due Date:

Sampled By (Print):

Preservation Codes

Analyses Requested

Report To:

Company:

Address 1: See Pg 1

Address 2:

E-mail Address:

Invoice To:

Company:

Address 1:

Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOCs	PCB	TDS	TSS			Comments	Lab ID	Lab Receipt Time
MP-13(163-167)	10/8/19	0900	GW	3	X							21	
MP-13(135-139)	10/8/19	0930	GW	3	X							22	
MP-13(121-125)	10/8/19	10:20	GW	3	X							23	
MP-13(102-106)	10/8/19	1055	GW	3	X							24	
MP-13(081-085)	10/8/19	1230	GW	3	X							25	
MP-13 (067-071)	10/8/19	1300	GW	3	X							26	
MP-13 (044-048)	10/8/19	1340	GW	3	X							27	
MP-13 (170-178)	10/9/19	1020	GW	3	X							28	
MP-14 (135-140)	10/9/19	1045	GW	3	X							29	
MP-14 (100-105)	10/9/19	1110	GW	3	X							30	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By:	Date: 10/11/19	Time: 1100	Received By:	Date: 10-11-19	Time: 1100
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact

Shipped Via: Walk-in

Receipt Temp: on ice

Thermometer #/ Exp. Date:

Temp Blank: ☐ Y ☐ N

Rev. 12/15

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

October 29, 2019

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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CERTIFICATIONS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40197169001	**MW-5D2**	Water	10/10/19 16:34	10/12/19 08:25
40197169002	**MW-5D3**	Water	10/10/19 14:06	10/12/19 08:25
40197169003	**MW-25D**	Water	10/09/19 17:28	10/12/19 08:25
40197169004	**MW-25D2**	Water	10/09/19 15:34	10/12/19 08:25
40197169005	**MW-27D**	Water	10/10/19 11:33	10/12/19 08:25
40197169006	**MW-27D2**	Water	10/10/19 10:32	10/12/19 08:25
40197169007	**DUP-01**	Water	10/10/19 00:00	10/12/19 08:25
40197169008	**TRIP BLANK**	Water	10/08/19 00:00	10/12/19 08:25
40197169009	**MW-4D2**	Water	10/11/19 10:01	10/12/19 08:25
40197169010	**MW-4S**	Water	10/11/19 10:28	10/12/19 08:25
40197169011	**MP-15 (177-187)**	Water	10/08/19 15:05	10/12/19 08:25
40197169012	**MP-15 (142-146)**	Water	10/08/19 15:30	10/12/19 08:25
40197169013	**MP-15 (120-125)**	Water	10/08/19 15:50	10/12/19 08:25
40197169014	**MP-15 (100-105)**	Water	10/08/19 16:15	10/12/19 08:25
40197169015	**MP-15 (088-092)**	Water	10/08/19 16:45	10/12/19 08:25
40197169016	**MP-16 (175-179)**	Water	10/09/19 12:40	10/12/19 08:25
40197169017	**MP-16 (140-144)**	Water	10/09/19 12:55	10/12/19 08:25
40197169018	**MP-16 (106-116)**	Water	10/09/19 13:15	10/12/19 08:25
40197169019	**MW-5S**	Water	10/10/19 14:44	10/12/19 08:25
40197169020	**MW-5D**	Water	10/10/19 13:58	10/12/19 08:25
40197169021	**MP-13 (163-167)**	Water	10/08/19 09:00	10/12/19 08:25
40197169022	**MP-13 (135-139)**	Water	10/08/19 09:30	10/12/19 08:25
40197169023	**MP-13 (121-125)**	Water	10/08/19 10:20	10/12/19 08:25
40197169024	**MP-13 (102-106)**	Water	10/08/19 10:55	10/12/19 08:25
40197169025	**MP-13 (081-085)**	Water	10/08/19 12:30	10/12/19 08:25
40197169026	**MP-13 (067-071)**	Water	10/08/19 13:00	10/12/19 08:25
40197169027	**MP-13 (044-048)**	Water	10/08/19 13:40	10/12/19 08:25
40197169028	**MP-14 (170-178)**	Water	10/09/19 10:20	10/12/19 08:25
40197169029	**MP-14 (135-140)**	Water	10/09/19 10:45	10/12/19 08:25
40197169030	**MP-14 (100-105)**	Water	10/09/19 11:10	10/12/19 08:25

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SAMPLE ANALYTE COUNT

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40197169001	MW-5D2	EPA 8260	SMT	73
40197169002	MW-5D3	EPA 8260	SMT	73
40197169003	MW-25D	EPA 8260	SMT	73
40197169004	MW-25D2	EPA 8260	SMT	73
40197169005	MW-27D	EPA 8260	SMT	73
40197169006	MW-27D2	EPA 8260	SMT	73
40197169007	DUP-01	EPA 8260	SMT	73
40197169008	TRIP BLANK	EPA 8260	SMT	73
40197169009	MW-4D2	EPA 8260	SMT	73
40197169010	MW-4S	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197169011	MP-15 (177-187)	EPA 8260	SMT	73
40197169012	MP-15 (142-146)	EPA 8260	SMT	73
40197169013	MP-15 (120-125)	EPA 8260	SMT	73
40197169014	MP-15 (100-105)	EPA 8260	SMT	73
40197169015	MP-15 (088-092)	EPA 8260	SMT	73
40197169016	MP-16 (175-179)	EPA 8260	SMT	73
40197169017	MP-16 (140-144)	EPA 8260	SMT	73
40197169018	MP-16 (106-116)	EPA 8260	SMT	73
40197169019	MW-5S	EPA 8260	SMT	73
		SM 2540C	TMK	1
		SM 2540D	JXM	1
40197169020	MW-5D	EPA 8260	SMT	73
40197169021	MP-13 (163-167)	EPA 8260	SMT	73
40197169022	MP-13 (135-139)	EPA 8260	LAP	73
40197169023	MP-13 (121-125)	EPA 8260	LAP	73
40197169024	MP-13 (102-106)	EPA 8260	LAP	73
40197169025	MP-13 (081-085)	EPA 8260	LAP	73
40197169026	MP-13 (067-071)	EPA 8260	LAP	73
40197169027	MP-13 (044-048)	EPA 8260	LAP	73
40197169028	MP-14 (170-178)	EPA 8260	LAP	73
40197169029	MP-14 (135-140)	EPA 8260	LAP	73
40197169030	MP-14 (100-105)	EPA 8260	LAP	73

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5D2 **Lab ID: 40197169001** Collected: 10/10/19 16:34 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**1.2**	ug/L	1.0	0.27	1		10/15/19 18:36	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:36	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 18:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 18:36	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:36	75-34-3	
1,1-Dichloroethene	**0.29J**	ug/L	1.0	0.24	1		10/15/19 18:36	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 18:36	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 18:36	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 18:36	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 18:36	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 18:36	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 18:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:36	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:36	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:36	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:36	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 18:36	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 18:36	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:36	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:36	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 18:36	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 18:36	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 18:36	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 18:36	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 18:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 18:36	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 18:36	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 18:36	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:36	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 18:36	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 18:36	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 18:36	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 18:36	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 18:36	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 18:36	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:36	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:36	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:36	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 18:36	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 18:36	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:36	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 18:36	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 18:36	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 18:36	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:36	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5D2 **Lab ID: 40197169001** Collected: 10/10/19 16:34 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 18:36	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 18:36	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 18:36	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:36	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 18:36	100-42-5	
Tetrachloroethene	**2150**	ug/L	54.4	16.3	50		10/16/19 10:51	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 18:36	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 18:36	108-88-3	
Trichloroethene	**29.2**	ug/L	1.0	0.26	1		10/15/19 18:36	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 18:36	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 18:36	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 18:36	1330-20-7	
cis-1,2-Dichloroethene	**10.9**	ug/L	1.0	0.27	1		10/15/19 18:36	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 18:36	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 18:36	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:36	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 18:36	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 18:36	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 18:36	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 18:36	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 18:36	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 18:36	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 18:36	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 18:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/15/19 18:36	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		10/15/19 18:36	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/15/19 18:36	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5D3 **Lab ID: 40197169002** Collected: 10/10/19 14:06 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:16	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:16	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:16	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 18:16	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 18:16	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:16	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:16	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 18:16	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 18:16	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 18:16	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 18:16	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 18:16	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 18:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:16	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:16	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:16	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:16	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 18:16	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 18:16	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:16	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:16	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 18:16	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 18:16	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 18:16	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 18:16	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 18:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 18:16	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 18:16	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 18:16	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:16	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 18:16	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 18:16	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 18:16	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 18:16	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 18:16	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 18:16	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:16	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:16	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:16	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 18:16	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 18:16	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:16	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 18:16	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 18:16	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 18:16	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:16	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5D3 **Lab ID: 40197169002** Collected: 10/10/19 14:06 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 18:16	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 18:16	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 18:16	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:16	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 18:16	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/15/19 18:16	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 18:16	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 18:16	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 18:16	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 18:16	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 18:16	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 18:16	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:16	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 18:16	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 18:16	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:16	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 18:16	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 18:16	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 18:16	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 18:16	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 18:16	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 18:16	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 18:16	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 18:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/15/19 18:16	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/15/19 18:16	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/15/19 18:16	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-25D **Lab ID: 40197169003** Collected: 10/09/19 17:28 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:12	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:12	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 09:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 09:12	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:12	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:12	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 09:12	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 09:12	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 09:12	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 09:12	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 09:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 09:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 09:12	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:12	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:12	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:12	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 09:12	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 09:12	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 09:12	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 09:12	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 09:12	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 09:12	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 09:12	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 09:12	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 09:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 09:12	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 09:12	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 09:12	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:12	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 09:12	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 09:12	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 09:12	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 09:12	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 09:12	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 09:12	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:12	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 09:12	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 09:12	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 09:12	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 09:12	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 09:12	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 09:12	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 09:12	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 09:12	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 09:12	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-25D **Lab ID: 40197169003** Collected: 10/09/19 17:28 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 09:12	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 09:12	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 09:12	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 09:12	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 09:12	100-42-5	
Tetrachloroethene	**0.36J**	ug/L	1.1	0.33	1		10/16/19 09:12	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 09:12	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 09:12	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 09:12	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 09:12	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 09:12	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 09:12	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:12	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 09:12	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 09:12	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:12	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 09:12	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 09:12	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 09:12	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 09:12	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 09:12	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 09:12	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 09:12	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 09:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		10/16/19 09:12	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/16/19 09:12	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/19 09:12	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-25D2 **Lab ID: 40197169004** Collected: 10/09/19 15:34 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:32	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:32	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:32	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 09:32	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 09:32	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:32	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:32	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 09:32	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 09:32	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 09:32	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 09:32	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 09:32	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 09:32	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 09:32	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:32	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:32	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:32	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 09:32	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 09:32	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 09:32	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 09:32	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 09:32	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 09:32	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 09:32	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 09:32	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 09:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 09:32	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 09:32	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 09:32	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:32	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 09:32	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 09:32	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 09:32	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 09:32	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 09:32	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 09:32	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:32	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 09:32	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 09:32	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 09:32	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 09:32	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 09:32	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 09:32	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 09:32	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 09:32	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 09:32	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-25D2 **Lab ID: 40197169004** Collected: 10/09/19 15:34 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 09:32	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 09:32	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 09:32	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 09:32	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 09:32	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/16/19 09:32	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 09:32	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 09:32	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 09:32	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 09:32	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 09:32	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 09:32	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:32	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 09:32	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 09:32	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:32	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 09:32	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 09:32	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 09:32	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 09:32	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 09:32	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 09:32	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 09:32	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 09:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/16/19 09:32	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/16/19 09:32	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/19 09:32	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-27D **Lab ID: 40197169005** Collected: 10/10/19 11:33 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:35	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:35	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 19:35	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 19:35	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:35	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:35	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 19:35	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 19:35	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 19:35	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 19:35	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 19:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 19:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:35	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:35	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:35	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:35	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 19:35	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 19:35	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:35	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:35	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 19:35	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 19:35	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 19:35	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 19:35	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 19:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 19:35	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 19:35	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 19:35	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:35	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 19:35	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 19:35	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 19:35	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 19:35	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 19:35	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:35	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:35	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:35	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:35	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 19:35	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 19:35	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:35	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 19:35	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 19:35	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 19:35	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:35	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-27D **Lab ID: 40197169005** Collected: 10/10/19 11:33 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 19:35	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 19:35	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 19:35	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:35	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 19:35	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/15/19 19:35	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 19:35	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 19:35	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 19:35	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 19:35	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:35	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 19:35	1330-20-7	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.27	1		10/15/19 19:35	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 19:35	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 19:35	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:35	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 19:35	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 19:35	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 19:35	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 19:35	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 19:35	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 19:35	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 19:35	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 19:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/15/19 19:35	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/15/19 19:35	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/15/19 19:35	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-27D2 **Lab ID: 40197169006** Collected: 10/10/19 10:32 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:55	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:55	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 19:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 19:55	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:55	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:55	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 19:55	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 19:55	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 19:55	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 19:55	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 19:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 19:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:55	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:55	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:55	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:55	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 19:55	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 19:55	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:55	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:55	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 19:55	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 19:55	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 19:55	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 19:55	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 19:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 19:55	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 19:55	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 19:55	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:55	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 19:55	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 19:55	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 19:55	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 19:55	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 19:55	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:55	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:55	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:55	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:55	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 19:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 19:55	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:55	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 19:55	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 19:55	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 19:55	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:55	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-27D2 **Lab ID: 40197169006** Collected: 10/10/19 10:32 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 19:55	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 19:55	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 19:55	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:55	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 19:55	100-42-5	
Tetrachloroethene	**28.7**	ug/L	1.1	0.33	1		10/15/19 19:55	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 19:55	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 19:55	108-88-3	
Trichloroethene	**23.6**	ug/L	1.0	0.26	1		10/15/19 19:55	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 19:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:55	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 19:55	1330-20-7	
cis-1,2-Dichloroethene	**12.7**	ug/L	1.0	0.27	1		10/15/19 19:55	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 19:55	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 19:55	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:55	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 19:55	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 19:55	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 19:55	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 19:55	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 19:55	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 19:55	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 19:55	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 19:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/15/19 19:55	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		10/15/19 19:55	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/15/19 19:55	2037-26-5	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: DUP-01 **Lab ID: 40197169007** Collected: 10/10/19 00:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**1.1**	ug/L	1.0	0.27	1		10/15/19 20:14	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 20:14	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 20:14	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 20:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 20:14	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 20:14	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 20:14	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 20:14	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 20:14	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 20:14	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 20:14	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 20:14	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 20:14	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 20:14	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 20:14	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 20:14	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 20:14	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 20:14	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 20:14	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 20:14	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 20:14	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 20:14	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 20:14	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 20:14	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 20:14	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 20:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 20:14	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 20:14	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 20:14	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 20:14	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 20:14	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 20:14	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 20:14	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 20:14	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 20:14	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 20:14	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 20:14	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 20:14	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 20:14	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 20:14	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 20:14	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 20:14	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 20:14	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 20:14	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 20:14	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 20:14	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: DUP-01 **Lab ID: 40197169007** Collected: 10/10/19 00:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 20:14	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 20:14	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 20:14	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 20:14	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 20:14	100-42-5	
Tetrachloroethene	**2120**	ug/L	54.4	16.3	50		10/16/19 13:31	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 20:14	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 20:14	108-88-3	
Trichloroethene	**30.2**	ug/L	1.0	0.26	1		10/15/19 20:14	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 20:14	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 20:14	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 20:14	1330-20-7	
cis-1,2-Dichloroethene	**11.3**	ug/L	1.0	0.27	1		10/15/19 20:14	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 20:14	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 20:14	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 20:14	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 20:14	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 20:14	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 20:14	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 20:14	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 20:14	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 20:14	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 20:14	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 20:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/15/19 20:14	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/15/19 20:14	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/15/19 20:14	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: TRIP BLANK **Lab ID: 40197169008** Collected: 10/08/19 00:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:56	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:56	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 17:56	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 17:56	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:56	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:56	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 17:56	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 17:56	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 17:56	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 17:56	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 17:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 17:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 17:56	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:56	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:56	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:56	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 17:56	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 17:56	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 17:56	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 17:56	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 17:56	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 17:56	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 17:56	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 17:56	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 17:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 17:56	108-10-1	
Acetone	**2.8J**	ug/L	20.0	2.7	1		10/15/19 17:56	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 17:56	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:56	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 17:56	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 17:56	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 17:56	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 17:56	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 17:56	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 17:56	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:56	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 17:56	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 17:56	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 17:56	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 17:56	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 17:56	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 17:56	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 17:56	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 17:56	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 17:56	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: TRIP BLANK **Lab ID: 40197169008** Collected: 10/08/19 00:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 17:56	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 17:56	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 17:56	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 17:56	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 17:56	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/15/19 17:56	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 17:56	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 17:56	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 17:56	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 17:56	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 17:56	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 17:56	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:56	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 17:56	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 17:56	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:56	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 17:56	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 17:56	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 17:56	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 17:56	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 17:56	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 17:56	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 17:56	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 17:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/15/19 17:56	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/15/19 17:56	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/15/19 17:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-4D2 **Lab ID: 40197169009** Collected: 10/11/19 10:01 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:52	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:52	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 09:52	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 09:52	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:52	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:52	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 09:52	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 09:52	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 09:52	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 09:52	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 09:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 09:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 09:52	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:52	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:52	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 09:52	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 09:52	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 09:52	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 09:52	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 09:52	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 09:52	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 09:52	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 09:52	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 09:52	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 09:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 09:52	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 09:52	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 09:52	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 09:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 09:52	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 09:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 09:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 09:52	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 09:52	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 09:52	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:52	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 09:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 09:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 09:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 09:52	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 09:52	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 09:52	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 09:52	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 09:52	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 09:52	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-4D2 **Lab ID: 40197169009** Collected: 10/11/19 10:01 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 09:52	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 09:52	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 09:52	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 09:52	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 09:52	100-42-5	
Tetrachloroethene	**0.46J**	ug/L	1.1	0.33	1		10/16/19 09:52	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 09:52	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 09:52	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 09:52	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 09:52	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 09:52	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 09:52	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/16/19 09:52	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 09:52	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 09:52	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 09:52	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 09:52	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 09:52	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 09:52	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 09:52	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 09:52	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 09:52	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 09:52	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 09:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		10/16/19 09:52	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/16/19 09:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/16/19 09:52	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-4S **Lab ID: 40197169010** Collected: 10/11/19 10:28 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**2150**	mg/L	20.0	8.7	1		10/15/19 16:43		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/16/19 10:40		

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (177-187) **Lab ID: 40197169011** Collected: 10/08/19 15:05 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 10:11	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 10:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 10:11	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 10:11	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 10:11	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 10:11	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 10:11	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 10:11	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 10:11	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 10:11	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 10:11	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 10:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 10:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 10:11	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 10:11	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 10:11	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 10:11	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 10:11	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 10:11	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 10:11	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 10:11	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 10:11	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 10:11	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 10:11	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 10:11	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 10:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 10:11	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 10:11	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 10:11	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 10:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 10:11	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 10:11	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 10:11	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 10:11	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 10:11	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 10:11	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 10:11	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 10:11	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 10:11	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 10:11	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 10:11	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 10:11	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 10:11	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 10:11	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 10:11	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 10:11	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (177-187) **Lab ID: 40197169011** Collected: 10/08/19 15:05 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 10:11	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 10:11	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 10:11	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 10:11	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 10:11	100-42-5	
Tetrachloroethene	**4.2**	ug/L	1.1	0.33	1		10/16/19 10:11	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 10:11	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 10:11	108-88-3	
Trichloroethene	**0.43J**	ug/L	1.0	0.26	1		10/16/19 10:11	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 10:11	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 10:11	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 10:11	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/16/19 10:11	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 10:11	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 10:11	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 10:11	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 10:11	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 10:11	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 10:11	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 10:11	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 10:11	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 10:11	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 10:11	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 10:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/16/19 10:11	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		10/16/19 10:11	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/16/19 10:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (142-146) **Lab ID: 40197169012** Collected: 10/08/19 15:30 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 21:14	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:14	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:14	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 21:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 21:14	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 21:14	75-34-3	
1,1-Dichloroethene	**0.31J**	ug/L	1.0	0.24	1		10/15/19 21:14	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 21:14	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 21:14	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 21:14	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 21:14	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 21:14	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 21:14	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 21:14	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:14	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:14	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:14	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 21:14	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 21:14	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 21:14	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 21:14	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 21:14	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 21:14	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 21:14	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 21:14	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 21:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 21:14	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 21:14	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 21:14	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:14	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 21:14	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 21:14	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 21:14	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 21:14	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 21:14	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 21:14	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:14	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 21:14	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 21:14	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 21:14	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 21:14	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 21:14	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 21:14	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 21:14	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 21:14	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 21:14	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (142-146) **Lab ID: 40197169012** Collected: 10/08/19 15:30 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 21:14	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 21:14	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 21:14	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 21:14	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 21:14	100-42-5	
Tetrachloroethene	**2170**	ug/L	54.4	16.3	50		10/16/19 13:51	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 21:14	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 21:14	108-88-3	
Trichloroethene	**191**	ug/L	1.0	0.26	1		10/15/19 21:14	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 21:14	75-69-4	
Vinyl chloride	**0.70J**	ug/L	1.0	0.17	1		10/15/19 21:14	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 21:14	1330-20-7	
cis-1,2-Dichloroethene	**173**	ug/L	1.0	0.27	1		10/15/19 21:14	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 21:14	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 21:14	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:14	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 21:14	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 21:14	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 21:14	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 21:14	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 21:14	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 21:14	98-06-6	
trans-1,2-Dichloroethene	**1.4J**	ug/L	3.6	1.1	1		10/15/19 21:14	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 21:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/15/19 21:14	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/15/19 21:14	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/15/19 21:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (120-125) **Lab ID: 40197169013** Collected: 10/08/19 15:50 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 21:34	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:34	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 21:34	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 21:34	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 21:34	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:34	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 21:34	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 21:34	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 21:34	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 21:34	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 21:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 21:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 21:34	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:34	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:34	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 21:34	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 21:34	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 21:34	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 21:34	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 21:34	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 21:34	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 21:34	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 21:34	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 21:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 21:34	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 21:34	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 21:34	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 21:34	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 21:34	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 21:34	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 21:34	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 21:34	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 21:34	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:34	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 21:34	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 21:34	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 21:34	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 21:34	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 21:34	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 21:34	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 21:34	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 21:34	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 21:34	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (120-125) **Lab ID: 40197169013** Collected: 10/08/19 15:50 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 21:34	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 21:34	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 21:34	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 21:34	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 21:34	100-42-5	
Tetrachloroethene	**1160**	ug/L	21.8	6.5	20		10/16/19 14:11	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 21:34	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 21:34	108-88-3	
Trichloroethene	**71.7**	ug/L	1.0	0.26	1		10/15/19 21:34	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 21:34	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 21:34	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 21:34	1330-20-7	
cis-1,2-Dichloroethene	**53.5**	ug/L	1.0	0.27	1		10/15/19 21:34	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 21:34	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 21:34	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:34	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 21:34	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 21:34	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 21:34	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 21:34	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 21:34	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 21:34	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 21:34	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 21:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/15/19 21:34	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/15/19 21:34	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/15/19 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (100-105) **Lab ID: 40197169014** Collected: 10/08/19 16:15 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 21:54	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:54	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 21:54	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 21:54	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 21:54	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:54	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 21:54	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 21:54	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 21:54	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 21:54	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 21:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 21:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 21:54	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:54	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:54	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 21:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 21:54	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 21:54	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 21:54	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 21:54	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 21:54	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 21:54	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 21:54	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 21:54	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 21:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 21:54	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 21:54	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 21:54	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 21:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 21:54	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 21:54	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 21:54	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 21:54	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 21:54	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 21:54	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:54	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 21:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 21:54	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 21:54	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 21:54	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 21:54	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 21:54	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 21:54	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 21:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 21:54	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (100-105) **Lab ID: 40197169014** Collected: 10/08/19 16:15 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 21:54	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 21:54	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 21:54	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 21:54	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 21:54	100-42-5	
Tetrachloroethene	**867**	ug/L	10.9	3.3	10		10/16/19 14:50	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 21:54	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 21:54	108-88-3	
Trichloroethene	**76.9**	ug/L	1.0	0.26	1		10/15/19 21:54	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 21:54	75-69-4	
Vinyl chloride	**0.38J**	ug/L	1.0	0.17	1		10/15/19 21:54	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 21:54	1330-20-7	
cis-1,2-Dichloroethene	**52.5**	ug/L	1.0	0.27	1		10/15/19 21:54	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 21:54	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 21:54	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 21:54	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 21:54	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 21:54	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 21:54	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 21:54	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 21:54	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 21:54	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 21:54	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 21:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/15/19 21:54	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/15/19 21:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/15/19 21:54	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (088-092) **Lab ID: 40197169015** Collected: 10/08/19 16:45 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 22:13	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 22:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 22:13	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 22:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 22:13	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 22:13	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 22:13	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 22:13	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 22:13	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 22:13	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 22:13	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 22:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 22:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 22:13	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 22:13	95-50-1	
1,2-Dichloroethane	**0.42J**	ug/L	1.0	0.28	1		10/15/19 22:13	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 22:13	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 22:13	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 22:13	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 22:13	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 22:13	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 22:13	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 22:13	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 22:13	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 22:13	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 22:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 22:13	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 22:13	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 22:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 22:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 22:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 22:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 22:13	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 22:13	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 22:13	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 22:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 22:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 22:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 22:13	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 22:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 22:13	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 22:13	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 22:13	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 22:13	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 22:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 22:13	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-15 (088-092) **Lab ID: 40197169015** Collected: 10/08/19 16:45 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 22:13	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 22:13	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 22:13	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 22:13	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 22:13	100-42-5	
Tetrachloroethene	**232**	ug/L	1.1	0.33	1		10/15/19 22:13	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 22:13	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 22:13	108-88-3	
Trichloroethene	**19.1**	ug/L	1.0	0.26	1		10/15/19 22:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 22:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 22:13	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 22:13	1330-20-7	
cis-1,2-Dichloroethene	**24.9**	ug/L	1.0	0.27	1		10/15/19 22:13	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 22:13	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 22:13	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 22:13	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 22:13	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 22:13	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 22:13	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 22:13	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 22:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 22:13	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 22:13	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 22:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/15/19 22:13	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/15/19 22:13	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/15/19 22:13	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-16 (175-179) **Lab ID: 40197169016** Collected: 10/09/19 12:40 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 10:31	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 10:31	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 10:31	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 10:31	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 10:31	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 10:31	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 10:31	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 10:31	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 10:31	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 10:31	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 10:31	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 10:31	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 10:31	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 10:31	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 10:31	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 10:31	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 10:31	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 10:31	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 10:31	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 10:31	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 10:31	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 10:31	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 10:31	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 10:31	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 10:31	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 10:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 10:31	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 10:31	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 10:31	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 10:31	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 10:31	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 10:31	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 10:31	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 10:31	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 10:31	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 10:31	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 10:31	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 10:31	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 10:31	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 10:31	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 10:31	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 10:31	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 10:31	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 10:31	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 10:31	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 10:31	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-16 (175-179) **Lab ID: 40197169016** Collected: 10/09/19 12:40 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 10:31	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 10:31	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 10:31	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 10:31	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 10:31	100-42-5	
Tetrachloroethene	**8.9**	ug/L	1.1	0.33	1		10/16/19 10:31	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 10:31	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 10:31	108-88-3	
Trichloroethene	**1.6**	ug/L	1.0	0.26	1		10/16/19 10:31	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 10:31	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 10:31	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 10:31	1330-20-7	
cis-1,2-Dichloroethene	**0.29J**	ug/L	1.0	0.27	1		10/16/19 10:31	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 10:31	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 10:31	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 10:31	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 10:31	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 10:31	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 10:31	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 10:31	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 10:31	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 10:31	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 10:31	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 10:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		10/16/19 10:31	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/16/19 10:31	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/19 10:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-16 (140-144) **Lab ID: 40197169017** Collected: 10/09/19 12:55 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 22:53	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 22:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 22:53	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 22:53	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 22:53	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 22:53	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 22:53	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 22:53	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 22:53	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 22:53	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 22:53	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 22:53	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 22:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 22:53	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 22:53	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 22:53	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 22:53	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 22:53	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 22:53	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 22:53	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 22:53	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 22:53	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 22:53	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 22:53	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 22:53	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 22:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 22:53	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 22:53	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 22:53	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 22:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 22:53	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 22:53	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 22:53	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 22:53	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 22:53	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 22:53	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 22:53	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 22:53	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 22:53	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 22:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 22:53	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 22:53	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 22:53	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 22:53	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 22:53	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 22:53	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-16 (140-144) **Lab ID: 40197169017** Collected: 10/09/19 12:55 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 22:53	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 22:53	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 22:53	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 22:53	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 22:53	100-42-5	
Tetrachloroethene	**52.2**	ug/L	1.1	0.33	1		10/15/19 22:53	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 22:53	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 22:53	108-88-3	
Trichloroethene	**11.3**	ug/L	1.0	0.26	1		10/15/19 22:53	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 22:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 22:53	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 22:53	1330-20-7	
cis-1,2-Dichloroethene	**3.9**	ug/L	1.0	0.27	1		10/15/19 22:53	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 22:53	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 22:53	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 22:53	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 22:53	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 22:53	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 22:53	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 22:53	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 22:53	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 22:53	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 22:53	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 22:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/15/19 22:53	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		10/15/19 22:53	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/15/19 22:53	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-16 (106-116) **Lab ID: 40197169018** Collected: 10/09/19 13:15 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 23:13	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:13	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 23:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 23:13	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 23:13	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:13	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 23:13	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 23:13	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 23:13	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 23:13	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 23:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 23:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 23:13	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:13	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:13	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:13	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 23:13	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 23:13	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 23:13	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 23:13	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 23:13	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 23:13	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 23:13	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 23:13	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 23:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 23:13	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 23:13	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 23:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 23:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 23:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 23:13	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 23:13	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 23:13	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 23:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 23:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 23:13	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 23:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 23:13	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 23:13	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 23:13	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 23:13	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 23:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 23:13	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-16 (106-116) **Lab ID: 40197169018** Collected: 10/09/19 13:15 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 23:13	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 23:13	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 23:13	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 23:13	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 23:13	100-42-5	
Tetrachloroethene	**59.0**	ug/L	1.1	0.33	1		10/15/19 23:13	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 23:13	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 23:13	108-88-3	
Trichloroethene	**9.6**	ug/L	1.0	0.26	1		10/15/19 23:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 23:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 23:13	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 23:13	1330-20-7	
cis-1,2-Dichloroethene	**6.8**	ug/L	1.0	0.27	1		10/15/19 23:13	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 23:13	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 23:13	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:13	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 23:13	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 23:13	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 23:13	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 23:13	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 23:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 23:13	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 23:13	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 23:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/15/19 23:13	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		10/15/19 23:13	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/15/19 23:13	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5S **Lab ID: 40197169019** Collected: 10/10/19 14:44 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 23:33	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:33	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:33	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 23:33	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 23:33	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 23:33	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:33	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 23:33	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 23:33	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 23:33	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 23:33	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 23:33	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 23:33	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 23:33	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:33	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:33	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:33	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 23:33	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 23:33	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 23:33	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 23:33	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 23:33	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 23:33	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 23:33	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 23:33	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 23:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 23:33	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 23:33	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 23:33	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:33	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 23:33	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 23:33	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 23:33	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 23:33	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 23:33	75-15-0	
Carbon tetrachloride	**0.91J**	ug/L	1.0	0.17	1		10/15/19 23:33	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:33	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 23:33	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 23:33	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 23:33	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 23:33	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 23:33	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 23:33	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 23:33	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 23:33	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 23:33	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5S **Lab ID: 40197169019** Collected: 10/10/19 14:44 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 23:33	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 23:33	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 23:33	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 23:33	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 23:33	100-42-5	
Tetrachloroethene	**49.2**	ug/L	1.1	0.33	1		10/15/19 23:33	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 23:33	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 23:33	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 23:33	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 23:33	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 23:33	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 23:33	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/15/19 23:33	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 23:33	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 23:33	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:33	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 23:33	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 23:33	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 23:33	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 23:33	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 23:33	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 23:33	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 23:33	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 23:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/15/19 23:33	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		10/15/19 23:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/15/19 23:33	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1050**	mg/L	20.0	8.7	1		10/15/19 16:43		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/16/19 10:40		

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5D **Lab ID: 40197169020** Collected: 10/10/19 13:58 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.31J**	ug/L	1.0	0.27	1		10/15/19 23:52	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:52	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 23:52	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 23:52	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 23:52	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:52	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 23:52	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 23:52	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 23:52	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 23:52	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 23:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 23:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 23:52	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:52	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:52	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 23:52	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 23:52	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 23:52	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 23:52	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 23:52	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 23:52	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 23:52	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 23:52	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 23:52	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 23:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 23:52	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 23:52	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 23:52	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 23:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 23:52	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 23:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 23:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 23:52	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 23:52	75-15-0	
Carbon tetrachloride	**0.44J**	ug/L	1.0	0.17	1		10/15/19 23:52	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:52	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 23:52	75-00-3	
Chloroform	**1.6J**	ug/L	5.0	1.3	1		10/15/19 23:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 23:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 23:52	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 23:52	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 23:52	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 23:52	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 23:52	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 23:52	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MW-5D **Lab ID: 40197169020** Collected: 10/10/19 13:58 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 23:52	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 23:52	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 23:52	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 23:52	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 23:52	100-42-5	
Tetrachloroethene	**1500**	ug/L	27.2	8.2	25		10/16/19 14:31	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 23:52	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 23:52	108-88-3	
Trichloroethene	**48.3**	ug/L	1.0	0.26	1		10/15/19 23:52	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 23:52	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 23:52	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 23:52	1330-20-7	
cis-1,2-Dichloroethene	**85.4**	ug/L	1.0	0.27	1		10/15/19 23:52	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 23:52	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 23:52	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 23:52	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 23:52	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 23:52	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 23:52	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 23:52	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 23:52	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 23:52	98-06-6	
trans-1,2-Dichloroethene	**1.7J**	ug/L	3.6	1.1	1		10/15/19 23:52	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 23:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/15/19 23:52	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/15/19 23:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/15/19 23:52	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (163-167) **Lab ID: 40197169021** Collected: 10/08/19 09:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 00:12	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 00:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 00:12	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 00:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 00:12	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 00:12	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 00:12	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 00:12	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 00:12	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 00:12	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 00:12	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 00:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 00:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 00:12	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 00:12	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 00:12	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 00:12	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 00:12	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 00:12	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 00:12	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 00:12	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 00:12	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 00:12	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 00:12	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 00:12	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 00:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 00:12	108-10-1	
Acetone	**15.3J**	ug/L	20.0	2.7	1		10/16/19 00:12	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 00:12	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 00:12	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 00:12	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 00:12	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 00:12	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 00:12	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 00:12	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 00:12	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 00:12	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 00:12	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 00:12	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 00:12	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 00:12	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 00:12	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 00:12	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 00:12	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 00:12	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 00:12	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (163-167) **Lab ID: 40197169021** Collected: 10/08/19 09:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 00:12	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 00:12	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 00:12	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 00:12	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 00:12	100-42-5	
Tetrachloroethene	**79.7**	ug/L	1.1	0.33	1		10/16/19 00:12	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 00:12	109-99-9	
Toluene	**0.33J**	ug/L	5.0	0.17	1		10/16/19 00:12	108-88-3	
Trichloroethene	**9.1**	ug/L	1.0	0.26	1		10/16/19 00:12	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 00:12	75-69-4	
Vinyl chloride	**0.38J**	ug/L	1.0	0.17	1		10/16/19 00:12	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 00:12	1330-20-7	
cis-1,2-Dichloroethene	**23.2**	ug/L	1.0	0.27	1		10/16/19 00:12	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 00:12	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 00:12	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 00:12	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 00:12	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 00:12	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 00:12	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 00:12	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 00:12	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 00:12	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 00:12	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 00:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		10/16/19 00:12	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		10/16/19 00:12	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/19 00:12	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (135-139) **Lab ID: 40197169022** Collected: 10/08/19 09:30 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:26	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:26	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 17:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 17:26	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:26	75-34-3	
1,1-Dichloroethene	**0.40J**	ug/L	1.0	0.24	1		10/15/19 17:26	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 17:26	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 17:26	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 17:26	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 17:26	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 17:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 17:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 17:26	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:26	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:26	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:26	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 17:26	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 17:26	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 17:26	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 17:26	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 17:26	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 17:26	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 17:26	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 17:26	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 17:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 17:26	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 17:26	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 17:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 17:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 17:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 17:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 17:26	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 17:26	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 17:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 17:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 17:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 17:26	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 17:26	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 17:26	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 17:26	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 17:26	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 17:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 17:26	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (135-139) **Lab ID: 40197169022** Collected: 10/08/19 09:30 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 17:26	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 17:26	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 17:26	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 17:26	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 17:26	100-42-5	
Tetrachloroethene	**3290**	ug/L	54.4	16.3	50		10/16/19 19:04	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 17:26	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 17:26	108-88-3	
Trichloroethene	**285**	ug/L	1.0	0.26	1		10/15/19 17:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 17:26	75-69-4	
Vinyl chloride	**0.63J**	ug/L	1.0	0.17	1		10/15/19 17:26	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 17:26	1330-20-7	
cis-1,2-Dichloroethene	**166**	ug/L	1.0	0.27	1		10/15/19 17:26	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 17:26	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 17:26	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:26	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 17:26	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 17:26	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 17:26	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 17:26	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 17:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 17:26	98-06-6	
trans-1,2-Dichloroethene	**2.5J**	ug/L	3.6	1.1	1		10/15/19 17:26	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 17:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		10/15/19 17:26	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		10/15/19 17:26	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/15/19 17:26	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (121-125) **Lab ID: 40197169023** Collected: 10/08/19 10:20 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:49	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:49	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 17:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 17:49	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 17:49	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:49	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 17:49	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 17:49	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 17:49	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 17:49	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 17:49	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 17:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 17:49	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:49	95-50-1	
1,2-Dichloroethane	**0.94J**	ug/L	1.0	0.28	1		10/15/19 17:49	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 17:49	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 17:49	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 17:49	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 17:49	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 17:49	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 17:49	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 17:49	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 17:49	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 17:49	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 17:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 17:49	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 17:49	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 17:49	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 17:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 17:49	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 17:49	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 17:49	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 17:49	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 17:49	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 17:49	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:49	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 17:49	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 17:49	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 17:49	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 17:49	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 17:49	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 17:49	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 17:49	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 17:49	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 17:49	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (121-125) **Lab ID: 40197169023** Collected: 10/08/19 10:20 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 17:49	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 17:49	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 17:49	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 17:49	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 17:49	100-42-5	
Tetrachloroethene	**715**	ug/L	10.9	3.3	10		10/16/19 17:58	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 17:49	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 17:49	108-88-3	
Trichloroethene	**101**	ug/L	1.0	0.26	1		10/15/19 17:49	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 17:49	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 17:49	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 17:49	1330-20-7	
cis-1,2-Dichloroethene	**69.6**	ug/L	1.0	0.27	1		10/15/19 17:49	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 17:49	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 17:49	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 17:49	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 17:49	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 17:49	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 17:49	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 17:49	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 17:49	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 17:49	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 17:49	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 17:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		10/15/19 17:49	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		10/15/19 17:49	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/15/19 17:49	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (102-106) **Lab ID: 40197169024** Collected: 10/08/19 10:55 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.37J**	ug/L	1.0	0.27	1		10/15/19 18:11	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:11	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 18:11	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 18:11	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:11	75-34-3	
1,1-Dichloroethene	**0.48J**	ug/L	1.0	0.24	1		10/15/19 18:11	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 18:11	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 18:11	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 18:11	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 18:11	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 18:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 18:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:11	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:11	95-50-1	
1,2-Dichloroethane	**0.67J**	ug/L	1.0	0.28	1		10/15/19 18:11	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:11	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 18:11	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 18:11	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:11	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:11	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 18:11	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 18:11	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 18:11	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 18:11	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 18:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 18:11	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 18:11	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 18:11	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 18:11	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 18:11	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 18:11	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 18:11	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 18:11	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 18:11	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:11	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:11	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:11	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 18:11	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 18:11	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:11	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 18:11	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 18:11	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 18:11	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:11	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (102-106) **Lab ID: 40197169024** Collected: 10/08/19 10:55 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 18:11	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 18:11	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 18:11	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:11	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 18:11	100-42-5	
Tetrachloroethene	**822**	ug/L	10.9	3.3	10		10/16/19 18:20	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 18:11	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 18:11	108-88-3	
Trichloroethene	**195**	ug/L	1.0	0.26	1		10/15/19 18:11	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 18:11	75-69-4	
Vinyl chloride	**0.63J**	ug/L	1.0	0.17	1		10/15/19 18:11	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 18:11	1330-20-7	
cis-1,2-Dichloroethene	**227**	ug/L	1.0	0.27	1		10/15/19 18:11	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 18:11	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 18:11	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:11	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 18:11	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 18:11	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 18:11	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 18:11	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 18:11	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 18:11	98-06-6	
trans-1,2-Dichloroethene	**4.1**	ug/L	3.6	1.1	1		10/15/19 18:11	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 18:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		10/15/19 18:11	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		10/15/19 18:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/15/19 18:11	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (081-085) **Lab ID: 40197169025** Collected: 10/08/19 12:30 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:34	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:34	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 18:34	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 18:34	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 18:34	75-34-3	
1,1-Dichloroethene	**0.48J**	ug/L	1.0	0.24	1		10/15/19 18:34	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 18:34	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 18:34	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 18:34	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 18:34	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 18:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 18:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:34	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:34	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:34	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 18:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 18:34	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 18:34	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 18:34	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:34	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 18:34	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 18:34	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 18:34	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 18:34	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 18:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 18:34	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 18:34	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 18:34	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 18:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 18:34	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 18:34	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 18:34	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 18:34	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 18:34	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 18:34	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:34	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:34	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 18:34	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 18:34	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 18:34	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 18:34	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 18:34	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 18:34	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 18:34	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:34	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (081-085) **Lab ID: 40197169025** Collected: 10/08/19 12:30 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 18:34	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 18:34	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 18:34	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 18:34	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 18:34	100-42-5	
Tetrachloroethene	**702**	ug/L	5.4	1.6	5		10/16/19 17:36	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 18:34	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 18:34	108-88-3	
Trichloroethene	**160**	ug/L	1.0	0.26	1		10/15/19 18:34	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 18:34	75-69-4	
Vinyl chloride	**9.1**	ug/L	1.0	0.17	1		10/15/19 18:34	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 18:34	1330-20-7	
cis-1,2-Dichloroethene	**259**	ug/L	1.0	0.27	1		10/15/19 18:34	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 18:34	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 18:34	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 18:34	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 18:34	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 18:34	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 18:34	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 18:34	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 18:34	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 18:34	98-06-6	
trans-1,2-Dichloroethene	**3.2J**	ug/L	3.6	1.1	1		10/15/19 18:34	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 18:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		10/15/19 18:34	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/15/19 18:34	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/15/19 18:34	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (067-071) **Lab ID: 40197169026** Collected: 10/08/19 13:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 14:13	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 14:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 14:13	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 14:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 14:13	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 14:13	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 14:13	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 14:13	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 14:13	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 14:13	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 14:13	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 14:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 14:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 14:13	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 14:13	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 14:13	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 14:13	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 14:13	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 14:13	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 14:13	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 14:13	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 14:13	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 14:13	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 14:13	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 14:13	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 14:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 14:13	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 14:13	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 14:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 14:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 14:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 14:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 14:13	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 14:13	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 14:13	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 14:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 14:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 14:13	75-00-3	
Chloroform	**1.5J**	ug/L	5.0	1.3	1		10/16/19 14:13	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 14:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 14:13	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 14:13	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 14:13	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 14:13	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 14:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 14:13	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (067-071) **Lab ID: 40197169026** Collected: 10/08/19 13:00 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 14:13	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 14:13	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 14:13	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 14:13	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 14:13	100-42-5	
Tetrachloroethene	**23.2**	ug/L	1.1	0.33	1		10/16/19 14:13	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 14:13	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 14:13	108-88-3	
Trichloroethene	**4.3**	ug/L	1.0	0.26	1		10/16/19 14:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 14:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 14:13	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 14:13	1330-20-7	
cis-1,2-Dichloroethene	**5.5**	ug/L	1.0	0.27	1		10/16/19 14:13	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 14:13	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 14:13	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 14:13	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 14:13	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 14:13	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 14:13	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 14:13	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 14:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 14:13	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 14:13	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 14:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		10/16/19 14:13	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/16/19 14:13	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/19 14:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (044-048) **Lab ID: 40197169027** Collected: 10/08/19 13:40 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:19	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:19	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 19:19	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 19:19	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:19	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:19	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 19:19	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 19:19	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 19:19	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 19:19	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 19:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 19:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:19	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:19	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:19	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:19	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 19:19	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 19:19	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:19	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:19	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 19:19	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 19:19	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 19:19	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 19:19	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 19:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 19:19	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 19:19	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 19:19	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 19:19	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 19:19	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 19:19	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 19:19	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 19:19	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:19	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:19	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:19	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:19	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 19:19	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 19:19	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:19	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 19:19	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 19:19	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 19:19	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:19	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-13 (044-048) **Lab ID: 40197169027** Collected: 10/08/19 13:40 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 19:19	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 19:19	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 19:19	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:19	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 19:19	100-42-5	
Tetrachloroethene	**105**	ug/L	1.1	0.33	1		10/15/19 19:19	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 19:19	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 19:19	108-88-3	
Trichloroethene	**24.2**	ug/L	1.0	0.26	1		10/15/19 19:19	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 19:19	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:19	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 19:19	1330-20-7	
cis-1,2-Dichloroethene	**17.5**	ug/L	1.0	0.27	1		10/15/19 19:19	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 19:19	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 19:19	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:19	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 19:19	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 19:19	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 19:19	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 19:19	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 19:19	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 19:19	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 19:19	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 19:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/15/19 19:19	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/15/19 19:19	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/15/19 19:19	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-14 (170-178) **Lab ID: 40197169028** Collected: 10/09/19 10:20 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:42	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:42	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 19:42	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 19:42	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 19:42	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:42	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 19:42	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 19:42	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 19:42	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 19:42	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 19:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 19:42	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:42	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:42	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:42	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 19:42	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 19:42	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 19:42	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 19:42	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:42	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 19:42	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 19:42	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 19:42	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 19:42	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 19:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 19:42	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 19:42	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 19:42	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 19:42	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 19:42	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 19:42	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 19:42	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 19:42	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 19:42	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:42	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:42	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:42	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 19:42	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 19:42	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 19:42	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 19:42	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 19:42	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 19:42	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 19:42	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:42	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-14 (170-178) **Lab ID: 40197169028** Collected: 10/09/19 10:20 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 19:42	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 19:42	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 19:42	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 19:42	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 19:42	100-42-5	
Tetrachloroethene	**654**	ug/L	10.9	3.3	10		10/16/19 18:42	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 19:42	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 19:42	108-88-3	
Trichloroethene	**54.6**	ug/L	1.0	0.26	1		10/15/19 19:42	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 19:42	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 19:42	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 19:42	1330-20-7	
cis-1,2-Dichloroethene	**29.0**	ug/L	1.0	0.27	1		10/15/19 19:42	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 19:42	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 19:42	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 19:42	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 19:42	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 19:42	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 19:42	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 19:42	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 19:42	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 19:42	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 19:42	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 19:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		10/15/19 19:42	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/15/19 19:42	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/15/19 19:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-14 (135-140) **Lab ID: 40197169029** Collected: 10/09/19 10:45 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 20:05	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/15/19 20:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 20:05	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/15/19 20:05	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/15/19 20:05	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/15/19 20:05	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 20:05	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/15/19 20:05	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/15/19 20:05	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/15/19 20:05	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/15/19 20:05	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/15/19 20:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/15/19 20:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/15/19 20:05	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 20:05	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 20:05	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/15/19 20:05	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/15/19 20:05	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/15/19 20:05	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/15/19 20:05	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/15/19 20:05	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/15/19 20:05	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/15/19 20:05	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/15/19 20:05	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/15/19 20:05	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/15/19 20:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/15/19 20:05	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/15/19 20:05	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/15/19 20:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/15/19 20:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/15/19 20:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/15/19 20:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/15/19 20:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/15/19 20:05	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/15/19 20:05	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 20:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 20:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/15/19 20:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/15/19 20:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/15/19 20:05	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/15/19 20:05	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/15/19 20:05	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/15/19 20:05	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/15/19 20:05	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/15/19 20:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 20:05	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-14 (135-140) **Lab ID: 40197169029** Collected: 10/09/19 10:45 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/15/19 20:05	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/15/19 20:05	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/15/19 20:05	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/15/19 20:05	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/15/19 20:05	100-42-5	
Tetrachloroethene	**303**	ug/L	2.7	0.82	2.5		10/16/19 17:14	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/15/19 20:05	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/15/19 20:05	108-88-3	
Trichloroethene	**26.1**	ug/L	1.0	0.26	1		10/15/19 20:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/15/19 20:05	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/15/19 20:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/15/19 20:05	1330-20-7	
cis-1,2-Dichloroethene	**13.8**	ug/L	1.0	0.27	1		10/15/19 20:05	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/15/19 20:05	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/15/19 20:05	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/15/19 20:05	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/15/19 20:05	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/15/19 20:05	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/15/19 20:05	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/15/19 20:05	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/15/19 20:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/15/19 20:05	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/15/19 20:05	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/15/19 20:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		10/15/19 20:05	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/15/19 20:05	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/15/19 20:05	2037-26-5	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-14 (100-105) **Lab ID: 40197169030** Collected: 10/09/19 11:10 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 13:47	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/16/19 13:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 13:47	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/16/19 13:47	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/16/19 13:47	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/16/19 13:47	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 13:47	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/16/19 13:47	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/16/19 13:47	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/16/19 13:47	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/16/19 13:47	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/16/19 13:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/16/19 13:47	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/16/19 13:47	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 13:47	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 13:47	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/16/19 13:47	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/16/19 13:47	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/16/19 13:47	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/16/19 13:47	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/16/19 13:47	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/16/19 13:47	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/16/19 13:47	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/16/19 13:47	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/16/19 13:47	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/16/19 13:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/16/19 13:47	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/16/19 13:47	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/16/19 13:47	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/16/19 13:47	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/16/19 13:47	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/16/19 13:47	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/16/19 13:47	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/16/19 13:47	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/16/19 13:47	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 13:47	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 13:47	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/16/19 13:47	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/16/19 13:47	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/16/19 13:47	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/16/19 13:47	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/16/19 13:47	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/16/19 13:47	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/16/19 13:47	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/16/19 13:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 13:47	87-68-3	

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ANALYTICAL RESULTS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Sample: MP-14 (100-105) **Lab ID: 40197169030** Collected: 10/09/19 11:10 Received: 10/12/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/16/19 13:47	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/16/19 13:47	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/16/19 13:47	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/16/19 13:47	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/16/19 13:47	100-42-5	
Tetrachloroethene	**0.94J**	ug/L	1.1	0.33	1		10/16/19 13:47	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/16/19 13:47	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/16/19 13:47	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 13:47	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/16/19 13:47	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/16/19 13:47	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/16/19 13:47	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/16/19 13:47	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/16/19 13:47	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/16/19 13:47	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/16/19 13:47	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/16/19 13:47	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/16/19 13:47	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/16/19 13:47	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/16/19 13:47	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/16/19 13:47	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/16/19 13:47	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/16/19 13:47	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/16/19 13:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		10/16/19 13:47	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/16/19 13:47	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/19 13:47	2037-26-5	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

QC Batch: 337264 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197169001, 40197169002, 40197169003, 40197169004, 40197169005, 40197169006, 40197169007, 40197169008, 40197169009, 40197169011, 40197169012, 40197169013, 40197169014, 40197169015, 40197169016, 40197169017, 40197169018, 40197169019, 40197169020, 40197169021

METHOD BLANK: 1959906 Matrix: Water
Associated Lab Samples: 40197169001, 40197169002, 40197169003, 40197169004, 40197169005, 40197169006, 40197169007, 40197169008, 40197169009, 40197169011, 40197169012, 40197169013, 40197169014, 40197169015, 40197169016, 40197169017, 40197169018, 40197169019, 40197169020, 40197169021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/15/19 16:17	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/15/19 16:17	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/15/19 16:17	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/15/19 16:17	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	5.0	10/15/19 16:17	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/15/19 16:17	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/15/19 16:17	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/15/19 16:17	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/15/19 16:17	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/15/19 16:17	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/15/19 16:17	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/15/19 16:17	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/15/19 16:17	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/15/19 16:17	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/15/19 16:17	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/15/19 16:17	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/15/19 16:17	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/15/19 16:17	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/15/19 16:17	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/15/19 16:17	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/15/19 16:17	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/15/19 16:17	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/15/19 16:17	
2-Chlorotoluene	ug/L	<0.93	5.0	10/15/19 16:17	
2-Hexanone	ug/L	<2.5	8.2	10/15/19 16:17	
4-Chlorotoluene	ug/L	<0.76	2.5	10/15/19 16:17	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/15/19 16:17	
Acetone	ug/L	<2.7	20.0	10/15/19 16:17	
Benzene	ug/L	<0.25	1.0	10/15/19 16:17	
Bromobenzene	ug/L	<0.24	1.0	10/15/19 16:17	
Bromochloromethane	ug/L	<0.36	5.0	10/15/19 16:17	
Bromodichloromethane	ug/L	<0.36	1.2	10/15/19 16:17	
Bromoform	ug/L	<4.0	13.2	10/15/19 16:17	
Bromomethane	ug/L	<0.97	5.0	10/15/19 16:17	
Carbon disulfide	ug/L	<0.37	5.0	10/15/19 16:17	
Carbon tetrachloride	ug/L	<0.17	1.0	10/15/19 16:17	
Chlorobenzene	ug/L	<0.71	2.4	10/15/19 16:17	
Chloroethane	ug/L	<1.3	5.0	10/15/19 16:17	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

METHOD BLANK: 1959906 Matrix: Water

Associated Lab Samples: 40197169001, 40197169002, 40197169003, 40197169004, 40197169005, 40197169006, 40197169007, 40197169008, 40197169009, 40197169011, 40197169012, 40197169013, 40197169014, 40197169015, 40197169016, 40197169017, 40197169018, 40197169019, 40197169020, 40197169021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	<1.3	5.0	10/15/19 16:17	
Chloromethane	ug/L	<2.2	7.3	10/15/19 16:17	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/15/19 16:17	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/15/19 16:17	
Dibromochloromethane	ug/L	<2.6	8.7	10/15/19 16:17	
Dibromomethane	ug/L	<0.94	3.1	10/15/19 16:17	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/15/19 16:17	
Diisopropyl ether	ug/L	<1.9	6.3	10/15/19 16:17	
Ethylbenzene	ug/L	<0.22	1.0	10/15/19 16:17	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/15/19 16:17	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/15/19 16:17	
m&p-Xylene	ug/L	<0.47	2.0	10/15/19 16:17	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/15/19 16:17	
Methylene Chloride	ug/L	<0.58	5.0	10/15/19 16:17	
n-Butylbenzene	ug/L	<0.71	2.4	10/15/19 16:17	
n-Hexane	ug/L	<1.7	5.7	10/15/19 16:17	
n-Propylbenzene	ug/L	<0.81	5.0	10/15/19 16:17	
Naphthalene	ug/L	<1.2	5.0	10/15/19 16:17	
o-Xylene	ug/L	<0.26	1.0	10/15/19 16:17	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/15/19 16:17	
sec-Butylbenzene	ug/L	<0.85	5.0	10/15/19 16:17	
Styrene	ug/L	<0.47	1.6	10/15/19 16:17	
tert-Butylbenzene	ug/L	<0.30	1.0	10/15/19 16:17	
Tetrachloroethene	ug/L	<0.33	1.1	10/15/19 16:17	
Tetrahydrofuran	ug/L	<2.3	20.0	10/15/19 16:17	
Toluene	ug/L	<0.17	5.0	10/15/19 16:17	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/15/19 16:17	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/15/19 16:17	
Trichloroethene	ug/L	<0.26	1.0	10/15/19 16:17	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/15/19 16:17	
Vinyl chloride	ug/L	<0.17	1.0	10/15/19 16:17	
Xylene (Total)	ug/L	<1.5	3.0	10/15/19 16:17	
4-Bromofluorobenzene (S)	%	94	70-130	10/15/19 16:17	
Dibromofluoromethane (S)	%	103	70-130	10/15/19 16:17	
Toluene-d8 (S)	%	98	70-130	10/15/19 16:17	

LABORATORY CONTROL SAMPLE: 1959907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.4	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	62.0	124	70-130	
1,1,2-Trichloroethane	ug/L	50	60.3	121	70-130	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

LABORATORY CONTROL SAMPLE: 1959907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/L	50	41.1	82	50-150	
1,1-Dichloroethane	ug/L	50	66.9	134	73-150	
1,1-Dichloroethene	ug/L	50	52.6	105	73-138	
1,2,4-Trichlorobenzene	ug/L	50	51.5	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	58.4	117	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	58.9	118	70-130	
1,2-Dichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dichloroethane	ug/L	50	63.3	127	75-140	
1,2-Dichloropropane	ug/L	50	64.2	128	73-135	
1,3-Dichlorobenzene	ug/L	50	55.4	111	70-130	
1,4-Dichlorobenzene	ug/L	50	54.8	110	70-130	
Benzene	ug/L	50	61.2	122	70-130	
Bromodichloromethane	ug/L	50	60.2	120	70-130	
Bromoform	ug/L	50	47.2	94	68-129	
Bromomethane	ug/L	50	23.4	47	18-159	
Carbon disulfide	ug/L	50	46.2	92	69-132	
Carbon tetrachloride	ug/L	50	56.2	112	70-130	
Chlorobenzene	ug/L	50	58.2	116	70-130	
Chloroethane	ug/L	50	46.2	92	53-147	
Chloroform	ug/L	50	58.7	117	74-136	
Chloromethane	ug/L	50	31.6	63	29-115	
cis-1,2-Dichloroethene	ug/L	50	55.6	111	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.4	109	70-130	
Dibromochloromethane	ug/L	50	51.9	104	70-130	
Dichlorodifluoromethane	ug/L	50	22.7	45	10-130	
Ethylbenzene	ug/L	50	58.3	117	80-124	
Isopropylbenzene (Cumene)	ug/L	50	59.0	118	70-130	
m&p-Xylene	ug/L	100	118	118	70-130	
Methyl-tert-butyl ether	ug/L	50	58.3	117	54-137	
Methylene Chloride	ug/L	50	63.6	127	73-138	
o-Xylene	ug/L	50	59.0	118	70-130	
Styrene	ug/L	50	55.5	111	70-130	
Tetrachloroethene	ug/L	50	56.0	112	70-130	
Toluene	ug/L	50	59.2	118	80-126	
trans-1,2-Dichloroethene	ug/L	50	61.5	123	73-145	
trans-1,3-Dichloropropene	ug/L	50	54.6	109	70-130	
Trichloroethene	ug/L	50	58.7	117	70-130	
Trichlorofluoromethane	ug/L	50	43.2	86	76-147	
Vinyl chloride	ug/L	50	36.8	74	51-120	
Xylene (Total)	ug/L	150	177	118	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1959908 1959909

Parameter	Units	40197169002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	61.2	59.6	122	119	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	60.8	60.5	122	121	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	58.8	57.4	118	115	70-137	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	50	50	47.8	47.5	96	95	50-150	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	71.5	68.5	143	137	73-153	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	58.6	59.6	117	119	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.0	48.4	98	97	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	56.6	58.4	113	117	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	54.9	55.6	110	111	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	52.0	50.9	104	102	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	67.1	61.6	134	123	75-140	9	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	67.4	61.6	135	123	71-138	9	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	53.2	102	106	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.1	50.6	102	101	70-130	1	20	
Benzene	ug/L	<0.25	50	50	64.0	62.9	128	126	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	58.9	57.2	118	114	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	46.0	45.1	92	90	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	35.1	37.6	70	75	15-170	7	20	
Carbon disulfide	ug/L	<0.37	50	50	60.3	59.0	121	118	66-145	2	20	
Carbon tetrachloride	ug/L	<0.17	50	50	59.5	57.9	119	116	70-130	3	20	
Chlorobenzene	ug/L	<0.71	50	50	57.5	56.8	115	114	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	59.8	58.7	120	117	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	62.5	60.3	125	121	74-136	4	20	
Chloromethane	ug/L	<2.2	50	50	50.9	50.6	102	101	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	58.2	56.5	116	113	70-131	3	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	57.8	52.0	116	104	70-130	11	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.1	51.0	102	102	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	44.4	44.8	89	90	10-132	1	20	
Ethylbenzene	ug/L	<0.22	50	50	59.0	59.1	118	118	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	59.4	59.4	119	119	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	117	113	117	113	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	61.4	59.6	123	119	51-145	3	20	
Methylene Chloride	ug/L	<0.58	50	50	67.0	66.9	134	134	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	58.7	58.5	117	117	70-130	0	20	
Styrene	ug/L	<0.47	50	50	54.3	53.8	109	108	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	56.5	57.1	113	114	70-130	1	20	
Toluene	ug/L	<0.17	50	50	59.4	59.6	119	119	80-131	0	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	64.0	64.6	128	129	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	54.6	53.7	109	107	70-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	59.1	58.1	118	116	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	55.5	52.3	111	105	74-147	6	20	
Vinyl chloride	ug/L	<0.17	50	50	57.2	58.3	114	117	41-129	2	20	
Xylene (Total)	ug/L	<1.5	150	150	175	172	117	115	70-130	2	20	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1959908 1959909

Parameter	Units	40197169002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						108	108	70-130			
Dibromofluoromethane (S)	%						102	105	70-130			
Toluene-d8 (S)	%						98	98	70-130			

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

QC Batch: 337265 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197169022, 40197169023, 40197169024, 40197169025, 40197169026, 40197169027, 40197169028, 40197169029, 40197169030

METHOD BLANK: 1959910 Matrix: Water
Associated Lab Samples: 40197169022, 40197169023, 40197169024, 40197169025, 40197169026, 40197169027, 40197169028, 40197169029, 40197169030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/15/19 06:44	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/15/19 06:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/15/19 06:44	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/15/19 06:44	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	5.0	10/15/19 06:44	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/15/19 06:44	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/15/19 06:44	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/15/19 06:44	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/15/19 06:44	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/15/19 06:44	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/15/19 06:44	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/15/19 06:44	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/15/19 06:44	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/15/19 06:44	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/15/19 06:44	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/15/19 06:44	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/15/19 06:44	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/15/19 06:44	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/15/19 06:44	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/15/19 06:44	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/15/19 06:44	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/15/19 06:44	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/15/19 06:44	
2-Chlorotoluene	ug/L	<0.93	5.0	10/15/19 06:44	
2-Hexanone	ug/L	<2.5	8.2	10/15/19 06:44	
4-Chlorotoluene	ug/L	<0.76	2.5	10/15/19 06:44	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/15/19 06:44	
Acetone	ug/L	<2.7	20.0	10/15/19 06:44	
Benzene	ug/L	<0.25	1.0	10/15/19 06:44	
Bromobenzene	ug/L	<0.24	1.0	10/15/19 06:44	
Bromochloromethane	ug/L	<0.36	5.0	10/15/19 06:44	
Bromodichloromethane	ug/L	<0.36	1.2	10/15/19 06:44	
Bromoform	ug/L	<4.0	13.2	10/15/19 06:44	
Bromomethane	ug/L	<0.97	5.0	10/15/19 06:44	
Carbon disulfide	ug/L	<0.37	5.0	10/15/19 06:44	
Carbon tetrachloride	ug/L	<0.17	1.0	10/15/19 06:44	
Chlorobenzene	ug/L	<0.71	2.4	10/15/19 06:44	
Chloroethane	ug/L	<1.3	5.0	10/15/19 06:44	
Chloroform	ug/L	<1.3	5.0	10/15/19 06:44	
Chloromethane	ug/L	<2.2	7.3	10/15/19 06:44	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

METHOD BLANK: 1959910 Matrix: Water

Associated Lab Samples: 40197169022, 40197169023, 40197169024, 40197169025, 40197169026, 40197169027, 40197169028, 40197169029, 40197169030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/15/19 06:44	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/15/19 06:44	
Dibromochloromethane	ug/L	<2.6	8.7	10/15/19 06:44	
Dibromomethane	ug/L	<0.94	3.1	10/15/19 06:44	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/15/19 06:44	
Diisopropyl ether	ug/L	<1.9	6.3	10/15/19 06:44	
Ethylbenzene	ug/L	<0.22	1.0	10/15/19 06:44	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/15/19 06:44	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/15/19 06:44	
m&p-Xylene	ug/L	<0.47	2.0	10/15/19 06:44	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/15/19 06:44	
Methylene Chloride	ug/L	<0.58	5.0	10/15/19 06:44	
n-Butylbenzene	ug/L	<0.71	2.4	10/15/19 06:44	
n-Hexane	ug/L	<1.7	5.7	10/15/19 06:44	
n-Propylbenzene	ug/L	<0.81	5.0	10/15/19 06:44	
Naphthalene	ug/L	<1.2	5.0	10/15/19 06:44	
o-Xylene	ug/L	<0.26	1.0	10/15/19 06:44	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/15/19 06:44	
sec-Butylbenzene	ug/L	<0.85	5.0	10/15/19 06:44	
Styrene	ug/L	<0.47	1.6	10/15/19 06:44	
tert-Butylbenzene	ug/L	<0.30	1.0	10/15/19 06:44	
Tetrachloroethene	ug/L	<0.33	1.1	10/15/19 06:44	
Tetrahydrofuran	ug/L	<2.3	20.0	10/15/19 06:44	
Toluene	ug/L	<0.17	5.0	10/15/19 06:44	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/15/19 06:44	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/15/19 06:44	
Trichloroethene	ug/L	<0.26	1.0	10/15/19 06:44	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/15/19 06:44	
Vinyl chloride	ug/L	<0.17	1.0	10/15/19 06:44	
Xylene (Total)	ug/L	<1.5	3.0	10/15/19 06:44	
4-Bromofluorobenzene (S)	%	87	70-130	10/15/19 06:44	
Dibromofluoromethane (S)	%	98	70-130	10/15/19 06:44	
Toluene-d8 (S)	%	101	70-130	10/15/19 06:44	

LABORATORY CONTROL SAMPLE: 1959911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	65.1	130	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.6	105	70-130	
1,1,2-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	62.6	125	50-150	
1,1-Dichloroethane	ug/L	50	64.8	130	73-150	
1,1-Dichloroethene	ug/L	50	68.0	136	73-138	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

LABORATORY CONTROL SAMPLE: 1959911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.9	104	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	54.5	109	70-130	
1,2-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,2-Dichloroethane	ug/L	50	57.8	116	75-140	
1,2-Dichloropropane	ug/L	50	58.7	117	73-135	
1,3-Dichlorobenzene	ug/L	50	54.7	109	70-130	
1,4-Dichlorobenzene	ug/L	50	54.1	108	70-130	
Benzene	ug/L	50	59.0	118	70-130	
Bromodichloromethane	ug/L	50	58.6	117	70-130	
Bromoform	ug/L	50	54.9	110	68-129	
Bromomethane	ug/L	50	45.5	91	18-159	
Carbon disulfide	ug/L	50	58.9	118	69-132	
Carbon tetrachloride	ug/L	50	62.6	125	70-130	
Chlorobenzene	ug/L	50	56.9	114	70-130	
Chloroethane	ug/L	50	55.3	111	53-147	
Chloroform	ug/L	50	59.2	118	74-136	
Chloromethane	ug/L	50	48.5	97	29-115	
cis-1,2-Dichloroethene	ug/L	50	59.6	119	70-130	
cis-1,3-Dichloropropene	ug/L	50	58.8	118	70-130	
Dibromochloromethane	ug/L	50	56.2	112	70-130	
Dichlorodifluoromethane	ug/L	50	54.5	109	10-130	
Ethylbenzene	ug/L	50	59.9	120	80-124	
Isopropylbenzene (Cumene)	ug/L	50	59.7	119	70-130	
m&p-Xylene	ug/L	100	125	125	70-130	
Methyl-tert-butyl ether	ug/L	50	53.3	107	54-137	
Methylene Chloride	ug/L	50	56.7	113	73-138	
o-Xylene	ug/L	50	58.8	118	70-130	
Styrene	ug/L	50	52.7	105	70-130	
Tetrachloroethene	ug/L	50	58.0	116	70-130	
Toluene	ug/L	50	58.7	117	80-126	
trans-1,2-Dichloroethene	ug/L	50	63.5	127	73-145	
trans-1,3-Dichloropropene	ug/L	50	57.1	114	70-130	
Trichloroethene	ug/L	50	61.4	123	70-130	
Trichlorofluoromethane	ug/L	50	62.3	125	76-147	
Vinyl chloride	ug/L	50	56.2	112	51-120	
Xylene (Total)	ug/L	150	183	122	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1960753 1960754

Parameter	Units	40197127004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	61.4	63.4	123	127	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.4	54.3	103	109	70-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.8	56.1	110	112	70-137	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	50	50	58.9	59.5	118	119	50-150	1	20	
1,1-Dichloroethane	ug/L	16.9	50	50	78.8	80.2	124	127	73-153	2	20	
1,1-Dichloroethene	ug/L	0.66J	50	50	65.3	66.4	129	132	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.9	52.1	92	104	70-130	13	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	53.1	55.8	106	112	58-129	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.7	56.0	103	112	70-130	8	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.6	57.2	103	114	70-130	10	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	58.0	60.4	116	121	75-140	4	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	55.6	58.7	111	117	71-138	6	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.2	55.2	102	110	70-130	8	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.6	55.5	101	111	70-130	9	20	
Benzene	ug/L	1.1	50	50	59.2	60.4	116	119	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	56.1	58.9	112	118	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	54.0	57.4	108	115	68-129	6	20	
Bromomethane	ug/L	<0.97	50	50	44.4	44.8	89	90	15-170	1	20	
Carbon disulfide	ug/L	<0.37	50	50	58.2	59.3	116	119	66-145	2	20	
Carbon tetrachloride	ug/L	<0.17	50	50	58.5	59.2	117	118	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	54.4	59.0	109	118	70-130	8	20	
Chloroethane	ug/L	7.2	50	50	62.5	63.0	111	112	51-148	1	20	
Chloroform	ug/L	<1.3	50	50	57.2	58.8	114	118	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	47.7	50.2	95	100	23-115	5	20	
cis-1,2-Dichloroethene	ug/L	55.6	50	50	105	114	99	117	70-131	8	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	58.8	60.7	118	121	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	54.7	57.9	109	116	70-130	6	20	
Dichlorodifluoromethane	ug/L	0.78J	50	50	53.2	53.1	105	105	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	56.9	61.1	114	122	80-125	7	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	56.8	61.1	114	122	70-130	7	20	
m&p-Xylene	ug/L	<0.47	100	100	115	123	115	123	70-130	7	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	52.8	55.2	105	110	51-145	5	20	
Methylene Chloride	ug/L	<0.58	50	50	55.4	56.5	110	112	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	55.9	60.6	112	121	70-130	8	20	
Styrene	ug/L	<0.47	50	50	53.6	54.7	107	109	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	58.0	60.5	116	121	70-130	4	20	
Toluene	ug/L	<0.17	50	50	55.9	59.6	112	119	80-131	6	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	62.4	63.6	123	126	73-148	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	58.4	110	117	70-130	6	20	
Trichloroethene	ug/L	0.31J	50	50	58.1	62.2	116	124	70-130	7	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	58.4	60.4	117	121	74-147	3	20	
Vinyl chloride	ug/L	34.6	50	50	91.0	90.2	113	111	41-129	1	20	
Xylene (Total)	ug/L	<1.5	150	150	171	183	114	122	70-130	7	20	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1960753 1960754

Parameter	Units	40197127004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						98	106	70-130			
Dibromofluoromethane (S)	%						103	98	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

QC Batch: 337571 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 40197169010, 40197169019

METHOD BLANK: 1960873 Matrix: Water
Associated Lab Samples: 40197169010, 40197169019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	10/15/19 16:39	

LABORATORY CONTROL SAMPLE: 1960874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	547	558	102	80-120	

SAMPLE DUPLICATE: 1960875

Parameter	Units	40196939001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	354	368	4	10	

SAMPLE DUPLICATE: 1960876

Parameter	Units	40196970001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	418	406	3	10	

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QUALITY CONTROL DATA

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

QC Batch: 337642 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40197169010, 40197169019

METHOD BLANK: 1961237 Matrix: Water
Associated Lab Samples: 40197169010, 40197169019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	10/16/19 10:39	

LABORATORY CONTROL SAMPLE: 1961238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	96.0	96	80-120	

SAMPLE DUPLICATE: 1961239

Parameter	Units	35503830001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	11200	11400	2	10	

SAMPLE DUPLICATE: 1961240

Parameter	Units	35503830002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5050	5020	1	10	

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QUALIFIERS

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A194128 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197169

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40197169001	**MW-5D2**	EPA 8260	337264		
40197169002	**MW-5D3**	EPA 8260	337264		
40197169003	**MW-25D**	EPA 8260	337264		
40197169004	**MW-25D2**	EPA 8260	337264		
40197169005	**MW-27D**	EPA 8260	337264		
40197169006	**MW-27D2**	EPA 8260	337264		
40197169007	**DUP-01**	EPA 8260	337264		
40197169008	**TRIP BLANK**	EPA 8260	337264		
40197169009	**MW-4D2**	EPA 8260	337264		
40197169011	**MP-15 (177-187)**	EPA 8260	337264		
40197169012	**MP-15 (142-146)**	EPA 8260	337264		
40197169013	**MP-15 (120-125)**	EPA 8260	337264		
40197169014	**MP-15 (100-105)**	EPA 8260	337264		
40197169015	**MP-15 (088-092)**	EPA 8260	337264		
40197169016	**MP-16 (175-179)**	EPA 8260	337264		
40197169017	**MP-16 (140-144)**	EPA 8260	337264		
40197169018	**MP-16 (106-116)**	EPA 8260	337264		
40197169019	**MW-5S**	EPA 8260	337264		
40197169020	**MW-5D**	EPA 8260	337264		
40197169021	**MP-13 (163-167)**	EPA 8260	337264		
40197169022	**MP-13 (135-139)**	EPA 8260	337265		
40197169023	**MP-13 (121-125)**	EPA 8260	337265		
40197169024	**MP-13 (102-106)**	EPA 8260	337265		
40197169025	**MP-13 (081-085)**	EPA 8260	337265		
40197169026	**MP-13 (067-071)**	EPA 8260	337265		
40197169027	**MP-13 (044-048)**	EPA 8260	337265		
40197169028	**MP-14 (170-178)**	EPA 8260	337265		
40197169029	**MP-14 (135-140)**	EPA 8260	337265		
40197169030	**MP-14 (100-105)**	EPA 8260	337265		
40197169010	**MW-4S**	SM 2540C	337571		
40197169019	**MW-5S**	SM 2540C	337571		
40197169010	**MW-4S**	SM 2540D	337642		
40197169019	**MW-5S**	SM 2540D	337642		

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical®
ECCS Mobile Lab Services

SUBCONTRACT ORDER

Pace Analytical - Madison

A194128

40197169

SENDING LABORATORY:

Pace Analytical - Madison
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal ____ Rush

Project Name: Madison Kipp Corporation - Madison, WI

Analysis	Due	Expires	Laboratory ID	Comments
MW-5D2	**Lab ID: A194128-01 Water**	**Sampled: 10/10/2019 16:34**	001	
8260 WI Full List	10/25/2019 00:00	10/24/2019 16:34		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-)				
MW-5D3	**Lab ID: A194128-02 Water**	**Sampled: 10/10/2019 14:06**	002	
8260 WI Full List	10/25/2019 00:00	10/24/2019 14:06		Report to MDL-Report total xylenes
Containers Supplied:				AS
07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-)				
MW-25D	**Lab ID: A194128-03 Water**	**Sampled: 10/09/2019 17:28**	003	
8260 WI Full List	10/25/2019 00:00	10/23/2019 17:28		Report to MDL-Report total xylenes
Containers Supplied:				
MW-25D2	**Lab ID: A194128-04 Water**	**Sampled: 10/09/2019 15:34**	004	
8260 WI Full List	10/25/2019 00:00	10/23/2019 15:34		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-)				
MW-27D	**Lab ID: A194128-05 Water**	**Sampled: 10/10/2019 11:33**	005	
8260 WI Full List	10/25/2019 00:00	10/24/2019 11:33		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-) 07_40mL Clear Vial (pre-)				

Released By	Date	Received By	Date
Jessica Esser	10-11-19 1600		
CS Logistics	10/12/19 0825		10/12/19

40197169

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SUBCONTRACT ORDER

Pace Analytical - Madison

A194128

40197169

Analysis	Due	Expires	Laboratory ID	Comments
MW-27D2 **Lab ID: A194128-06** **Water** **Sampled: 10/10/2019 10:32**			006	
8260 WI Full List	10/25/2019 00:00	10/24/2019 10:32		Report to MDL-Report total xylenes
Containers Supplied:				
DUP-01 **Lab ID: A194128-07** **Water** **Sampled: 10/10/2019 00:00**			007	
8260 WI Full List	10/25/2019 00:00	10/24/2019 00:00		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
Trip Blank **Lab ID: A194128-08** **Water** **Sampled: 10/08/2019 00:00**			008	
8260 WI Full List	10/25/2019 00:00	10/22/2019 00:00		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-4D3 **Lab ID: A194128-09** **Water** **Sampled: 10/11/2019 10:01**			009	
8260 WI Full List	10/25/2019 00:00	10/25/2019 10:01		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-4S **Lab ID: A194128-10** **Water** **Sampled: 10/11/2019 10:28**			010	
Subcontracted Analysis - Pace	10/25/2019 00:00	10/25/2019 10:28		Dissolved Solids, Total
2540D - Suspended Solids	10/25/2019 00:00	10/18/2019 10:28		
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
MP-15 (177-187) **Lab ID: A194128-11** **Water** **Sampled: 10/08/2019 15:05**			011	
8260 WI Full List	10/25/2019 00:00	10/22/2019 15:05		Report to MDL-Report total xylenes
Containers Supplied:				
MP-15 (142-146) **Lab ID: A194128-12** **Water** **Sampled: 10/08/2019 15:30**			012	
8260 WI Full List	10/25/2019 00:00	10/22/2019 15:30		Report to MDL-Report total xylenes
Containers Supplied:				

Jessica Ross 10-11-19 1600

Released By	Date	Received By	Date
Released By	Date	Received By	Date

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Pace Analytical - Madison

A194128

40197169

Analysis	Due	Expires	Laboratory ID	Comments
MP-15 (120-125) **Lab ID: A194128-13 Water** **Sampled: 10/08/2019 15:50**			013	
8260 WI Full List	10/25/2019 00:00	10/22/2019 15:50		Report to MDL-Report total xylenes
Containers Supplied:				
MP-15 (100-105) **Lab ID: A194128-14 Water** **Sampled: 10/08/2019 16:15**			014	
8260 WI Full List	10/25/2019 00:00	10/22/2019 16:15		Report to MDL-Report total xylenes
Containers Supplied:				
MP-15 (088-092) **Lab ID: A194128-15 Water** **Sampled: 10/08/2019 16:45**			015	
8260 WI Full List	10/25/2019 00:00	10/22/2019 16:45		Report to MDL-Report total xylenes
Containers Supplied:				
MP-16 (175-179) **Lab ID: A194128-16 Water** **Sampled: 10/09/2019 12:40**			016	
8260 WI Full List	10/25/2019 00:00	10/23/2019 12:40		Report to MDL-Report total xylenes
Containers Supplied:				
MP-16 (140-144) **Lab ID: A194128-17 Water** **Sampled: 10/09/2019 12:55**			017	
8260 WI Full List	10/25/2019 00:00	10/23/2019 12:55		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MP-16 (106-116) **Lab ID: A194128-18 Water** **Sampled: 10/09/2019 13:15**			018	
8260 WI Full List	10/25/2019 00:00	10/23/2019 13:15		Report to MDL-Report total xylenes
Containers Supplied:				

Jessica Eder 10-11-19 1600

Released By	Date	Received By	Date
Released By	Date	Received By	Date

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Pace Analytical - Madison

A194128

40197169

Analysis	Due	Expires	Laboratory ID	Comments
MW-5S **Lab ID: A194128-19** **Water** **Sampled: 10/10/2019 14:44**			019	
2540D - Suspended Solids	10/25/2019 00:00	10/17/2019 14:44		
8260 WI Full List	10/25/2019 00:00	10/24/2019 14:44		Report to MDL-Report total xylenes
Subcontracted Analysis - Pace	10/25/2019 00:00	10/24/2019 14:44		Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-5D **Lab ID: A194128-20** **Water** **Sampled: 10/10/2019 13:58**			020	
8260 WI Full List	10/25/2019 00:00	10/24/2019 13:58		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MP-13 (163-167) **Lab ID: A194128-21** **Water** **Sampled: 10/08/2019 09:00**			021	
8260 WI Full List	10/25/2019 00:00	10/22/2019 09:00		Report to MDL-Report total xylenes
Containers Supplied:				
MP-13 (135-139) **Lab ID: A194128-22** **Water** **Sampled: 10/08/2019 09:30**			022	
8260 WI Full List	10/25/2019 00:00	10/22/2019 09:30		Report to MDL-Report total xylenes
Containers Supplied:				
MP-13 (121-125) **Lab ID: A194128-23** **Water** **Sampled: 10/08/2019 10:20**			023	
8260 WI Full List	10/25/2019 00:00	10/22/2019 10:20		Report to MDL-Report total xylenes
Containers Supplied:				
MP-13 (102-106) **Lab ID: A194128-24** **Water** **Sampled: 10/08/2019 10:55**			024	
8260 WI Full List	10/25/2019 00:00	10/22/2019 10:55		Report to MDL-Report total xylenes
Containers Supplied:				

10-11-19 1600

Released By	Date	Received By	Date
Released By	Date	Received By	Date

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Pace Analytical - Madison

A194128

40197169

Analysis	Due	Expires	Laboratory ID	Comments
MP-13 (081-085) **Lab ID: A194128-25 Water** **Sampled: 10/08/2019 12:30**			025	
8260 WI Full List	10/25/2019 00:00	10/22/2019 12:30		Report to MDL-Report total xylenes
Containers Supplied:				
MP-13 (067-071) **Lab ID: A194128-26 Water** **Sampled: 10/08/2019 13:00**			026	
8260 WI Full List	10/25/2019 00:00	10/22/2019 13:00		Report to MDL-Report total xylenes
Containers Supplied:				
MP-13 (044-048) **Lab ID: A194128-27 Water** **Sampled: 10/08/2019 13:40**			027	
8260 WI Full List	10/25/2019 00:00	10/22/2019 13:40		Report to MDL-Report total xylenes
Containers Supplied:				
MP-14 (170-178) **Lab ID: A194128-28 Water** **Sampled: 10/09/2019 10:20**			028	
8260 WI Full List	10/25/2019 00:00	10/23/2019 10:20		Report to MDL-Report total xylenes
Containers Supplied:				
MP-14 (135-140) **Lab ID: A194128-29 Water** **Sampled: 10/09/2019 10:45**			029	
8260 WI Full List	10/25/2019 00:00	10/23/2019 10:45		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MP-14 (100-105) **Lab ID: A194128-30 Water** **Sampled: 10/09/2019 11:10**			030	
8260 WI Full List	10/25/2019 00:00	10/23/2019 11:10		Report to MDL-Report total xylenes
Containers Supplied:				

Jessica Cadle 10-11-19 1600

Released By	Date	Received By	Date
Released By	Date	Received By	Date

40197169

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

Sample Preservation Receipt Form

Client Name: Pace Madison Project # Y0197169

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

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

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		2															2.5 / 5 / 10
002																		2															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		1															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010								1			1																						2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		3															2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		3															2.5 / 5 / 10
019								1			1							3															2.5 / 5 / 10
020																		3															2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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

Sample Preservation Receipt Form

Client Name: Pace MN

Project #: 40197169

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																		3															2.5 / 5 / 10
022																		3															2.5 / 5 / 10
023																		3															2.5 / 5 / 10
024																		3															2.5 / 5 / 10
025																		3															2.5 / 5 / 10
026																		3															2.5 / 5 / 10
027																		3															2.5 / 5 / 10
028																		3															2.5 / 5 / 10
029																		3															2.5 / 5 / 10
030																		3															2.5 / 5 / 10
																																	2.5 / 5 / 10
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																																	2.5 / 5 / 18
																																	2.5 / 5 / 19
																																	2.5 / 5 / 20

BH 10/29/19

Page 2 of 2

F-GB-C-046-Rev.02 (29Mar2018) Sample Preservation Receipt Form

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

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40197169

Client Name: Pace Madison

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

Tracking #:

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

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

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

Thermometer Used SR - 88 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3 /Corr: 3

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

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

Person examining contents: Date: 10/12/19 Initials: BH

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☐No ☑N/A	4. IRWO BH 10/12/19
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☐Yes ☐No ☑N/A	
-Pace IR Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WW	☐Yes ☑No ☐N/A	12. 011 40mLV ID "MP-IS (177-178) BH 10/12/19
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Pace Trip Blank Lot # (if purchased): 59011		

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 10/12/19

Page 3 of 3

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

November 18, 2019

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717

RE: Madison Kipp Corporation - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/14/2019.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

Pace Analytical®
ECCS Mobile Lab Services

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4D	A194202-01	Water	10/11/2019	10/14/2019
MW-6S	A194202-02	Water	10/11/2019	10/14/2019
MW-6D	A194202-03	Water	10/11/2019	10/14/2019
MW-17	A194202-04	Water	10/11/2019	10/14/2019
FB-01	A194202-05	Water	10/11/2019	10/14/2019
MW-3S	A194202-06	Water	10/14/2019	10/14/2019
MW-3D	A194202-07	Water	10/14/2019	10/14/2019
MW-3D2	A194202-08	Water	10/14/2019	10/14/2019
MW-3D3	A194202-09	Water	10/14/2019	10/14/2019
DUP-02	A194202-10	Water	10/14/2019	10/14/2019
DUP-03	A194202-11	Water	10/14/2019	10/14/2019
Trip Blank (2)	A194202-12	Water	10/11/2019	10/14/2019

CASE NARRATIVE

Sample Receipt Information:
12 samples were received on 10/14/2019. Samples were received at 4.8 degrees Celsius. Samples were received in acceptable condition, with the exception of the label discrepancies noted below.

Samples A194202-02 and A194202-09 had discrepancies between the collection time on the chain of custody (COC) and the collection time on the containers. The COC collection times are correct.

VOC, TDS and TSS analysis was subcontracted to Pace Analytical in Green Bay, WI. Please see their appended report for quality control results.

Please see the COC document at the end of this report for additional information.

Continuing Calibration Verification (CCV):
CCV indicates a potential high bias for PCB-1016 and PCB-1242 for samples A194202-01, A194202-02, A194202-05, A194202-07 and A194202-10. Samples were less than the reporting limit for these analytes so no further action is required.

Pace Analytical®
ECCS Mobile Lab Services

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-4D

A194202-01 (Water)

Date Sampled
10/11/2019 11:30

Pace Analytical - Madison

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A910298**		
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 20:47	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*84.9 %*	*68.8-135*		*10/30/2019*	*11/17/2019 20:47*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*90.1 %*	*82.2-139*		*10/30/2019*	*11/17/2019 20:47*	*EPA 8082A*	

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SM 2540C							**Preparation Batch:WET 36889**		
Total Dissolved Solids	**944**	8.7	20.0	mg/L	1	10/17/2019	10/17/2019 16:56	SM 2540C	
SM 2540D							**Preparation Batch:WET 36882**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/17/2019	10/17/2019 09:44	SM 2540D	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-6S

A194202-02 (Water)

Date Sampled
10/11/2019 14:31

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 21:12	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*84.3 %*	*68.8-135*		*10/30/2019*	*11/17/2019 21:12*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*90.7 %*	*82.2-139*		*10/30/2019*	*11/17/2019 21:12*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49536**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-6S

A194202-02 (Water)

Date Sampled
10/11/2019 14:31

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49536**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Bromobenzene	ND	0.24	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Dibromomethane	ND	0.94	3.1	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/18/2019	10/18/2019 16:46	EPA 8260	

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Madison WI, 53717	Project Manager: Andrew Stehn

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A194202-02 (Water)

Date Sampled
10/11/2019 14:31

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C							**Preparation Batch:WET 36889**		
Total Dissolved Solids	**5010**	17.3	40.0	mg/L	1	10/17/2019	10/17/2019 16:56	SM 2540C	
SM 2540D							**Preparation Batch:WET 36882**		
Total Suspended Solids	**2.2**	0.95	2.0	mg/L	1	10/17/2019	10/17/2019 09:45	SM 2540D	

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Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

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A194202-03 (Water)

Date Sampled
10/11/2019 15:26

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49536**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	6.7	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1,1-Trichloroethane	ND	6.1	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	6.9	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1,2-Trichloroethane	ND	13.8	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	13.4	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1-Dichloroethane	ND	6.8	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1-Dichloroethene	ND	6.1	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,1-Dichloropropene	ND	13.5	45.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2,3-Trichlorobenzene	ND	15.6	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2,3-Trichloropropane	ND	14.8	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2,4-Trichlorobenzene	ND	23.8	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2,4-Trimethylbenzene	**43.5**	21.0	70.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
1,2-Dibromo-3-chloropropane	ND	44.1	147	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2-Dibromoethane (EDB)	ND	20.7	69.1	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2-Dichlorobenzene	ND	17.6	58.8	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2-Dichloroethane	ND	7.0	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,2-Dichloropropane	ND	7.1	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,3,5-Trimethylbenzene	ND	21.8	72.8	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,3-Dichlorobenzene	ND	15.7	52.3	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,3-Dichloropropane	ND	20.6	68.8	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
1,4-Dichlorobenzene	ND	23.6	78.6	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
2,2-Dichloropropane	ND	56.6	189	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
2-Butanone (MEK)	ND	73.4	500	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
2-Chlorotoluene	ND	23.2	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
2-Hexanone	ND	61.4	205	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
4-Chlorotoluene	ND	18.9	63.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	38.3	128	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Acetone	**114**	68.5	500	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
Benzene	**1180**	6.2	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Bromobenzene	ND	6.0	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Bromochloromethane	ND	9.1	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Bromodichloromethane	ND	9.1	30.3	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Bromoform	ND	99.3	331	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Bromomethane	ND	24.3	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Carbon disulfide	ND	9.4	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Carbon tetrachloride	ND	4.1	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Chlorobenzene	ND	17.8	59.2	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Chloroethane	ND	33.6	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Chloroform	ND	31.8	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Chloromethane	ND	54.7	182	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
cis-1,2-Dichloroethene	**9.0**	6.8	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
cis-1,3-Dichloropropene	ND	90.7	302	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Dibromochloromethane	ND	65.0	217	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	

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Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

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A194202-03 (Water)

Date Sampled
10/11/2019 15:26

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49536**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	23.4	78.1	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Dichlorodifluoromethane	ND	12.5	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Diisopropyl ether	ND	47.2	157	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Ethylbenzene	**21.7**	5.5	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
Hexachloro-1,3-butadiene	ND	29.6	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Isopropylbenzene (Cumene)	**16.3**	9.8	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
m&p-Xylene	**18.4**	11.6	50.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
Methylene Chloride	ND	14.5	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Methyl-tert-butyl ether	ND	31.1	104	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Naphthalene	ND	29.4	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
n-Butylbenzene	ND	17.7	59.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
n-Hexane	ND	42.7	142	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
n-Propylbenzene	ND	20.3	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
o-Xylene	ND	6.5	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
p-Isopropyltoluene	ND	20.0	66.7	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
sec-Butylbenzene	ND	21.2	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Styrene	ND	11.6	38.8	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
tert-Butylbenzene	ND	7.6	25.3	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Tetrachloroethene	ND	8.2	27.2	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Tetrahydrofuran	ND	58.0	500	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Toluene	**87.7**	4.3	125	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
trans-1,2-Dichloroethene	ND	27.3	90.9	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
trans-1,3-Dichloropropene	ND	109	364	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Trichloroethene	**13.9**	6.4	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	J
Trichlorofluoromethane	ND	5.4	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Vinyl chloride	ND	4.4	25.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	
Xylene (Total)	ND	37.5	75.0	ug/L	25	10/18/2019	10/18/2019 16:24	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-17

A194202-04 (Water)

Date Sampled
10/11/2019 14:43

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49536**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	2.7	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,1,1-Trichloroethane	ND	2.4	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	M1
1,1,2,2-Tetrachloroethane	ND	2.8	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,1,2-Trichloroethane	ND	5.5	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	5.4	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,1-Dichloroethane	ND	2.7	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,1-Dichloroethene	ND	2.4	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,1-Dichloropropene	ND	5.4	18.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2,3-Trichlorobenzene	ND	6.3	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2,3-Trichloropropane	ND	5.9	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2,4-Trichlorobenzene	ND	9.5	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2,4-Trimethylbenzene	ND	8.4	28.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	17.6	58.8	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2-Dibromoethane (EDB)	ND	8.3	27.6	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2-Dichlorobenzene	ND	7.1	23.5	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2-Dichloroethane	ND	2.8	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,2-Dichloropropane	ND	2.8	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,3,5-Trimethylbenzene	ND	8.7	29.1	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,3-Dichlorobenzene	ND	6.3	20.9	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,3-Dichloropropane	ND	8.3	27.5	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
1,4-Dichlorobenzene	ND	9.4	31.5	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
2,2-Dichloropropane	ND	22.7	75.5	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
2-Butanone (MEK)	ND	29.4	200	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
2-Chlorotoluene	ND	9.3	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
2-Hexanone	ND	24.6	81.9	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
4-Chlorotoluene	ND	7.6	25.2	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	15.3	51.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Acetone	ND	27.4	200	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Benzene	ND	2.5	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Bromobenzene	ND	2.4	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Bromochloromethane	ND	3.6	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Bromodichloromethane	ND	3.6	12.1	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Bromoform	ND	39.7	132	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Bromomethane	ND	9.7	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Carbon disulfide	ND	3.7	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Carbon tetrachloride	ND	1.7	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	M1
Chlorobenzene	ND	7.1	23.7	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Chloroethane	ND	13.4	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Chloroform	ND	12.7	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Chloromethane	ND	21.9	73.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
cis-1,2-Dichloroethene	**4.2**	2.7	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	J
cis-1,3-Dichloropropene	ND	36.3	121	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Dibromochloromethane	ND	26.0	86.7	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-17

A194202-04 (Water)

Date Sampled
10/11/2019 14:43

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49536**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	9.4	31.2	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Dichlorodifluoromethane	ND	5.0	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Diisopropyl ether	ND	18.9	62.9	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Ethylbenzene	ND	2.2	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Hexachloro-1,3-butadiene	ND	11.8	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Isopropylbenzene (Cumene)	ND	3.9	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
m&p-Xylene	ND	4.7	20.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Methylene Chloride	ND	5.8	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Methyl-tert-butyl ether	ND	12.5	41.5	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Naphthalene	ND	11.8	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
n-Butylbenzene	ND	7.1	23.6	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
n-Hexane	ND	17.1	57.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
n-Propylbenzene	ND	8.1	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
o-Xylene	ND	2.6	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
p-Isopropyltoluene	ND	8.0	26.7	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
sec-Butylbenzene	ND	8.5	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Styrene	ND	4.7	15.5	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
tert-Butylbenzene	ND	3.0	10.1	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Tetrachloroethene	**747**	3.3	10.9	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Tetrahydrofuran	ND	23.2	200	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Toluene	ND	1.7	50.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
trans-1,2-Dichloroethene	ND	10.9	36.4	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
trans-1,3-Dichloropropene	ND	43.7	146	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Trichloroethene	**60.7**	2.6	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Trichlorofluoromethane	ND	2.1	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Vinyl chloride	ND	1.7	10.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	
Xylene (Total)	ND	15.0	30.0	ug/L	10	10/18/2019	10/18/2019 16:02	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

FB-01

A194202-05 (Water)

Date Sampled
10/11/2019 16:10

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A910298**			
PCB-1016	ND	0.0072	0.12	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 21:37	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*90.5 %*	*68.8-135*		*10/30/2019*	*11/17/2019 21:37*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*93.7 %*	*82.2-139*		*10/30/2019*	*11/17/2019 21:37*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
EPA 8260						**Preparation Batch:MSV 49549**			
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	

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Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

FB-01

A194202-05 (Water)

Date Sampled
10/11/2019 16:10

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49549**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Bromobenzene	ND	0.24	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Dibromomethane	ND	0.94	3.1	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Tetrachloroethene	**0.64**	0.33	1.1	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	J
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/18/2019	10/18/2019 02:26	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

FB-01

A194202-05 (Water)

Date Sampled
10/11/2019 16:10

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C							**Preparation Batch:WET 36889**		
Total Dissolved Solids	ND	8.7	20.0	mg/L	1	10/17/2019	10/17/2019 16:56	SM 2540C	
SM 2540D							**Preparation Batch:WET 36882**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/17/2019	10/17/2019 09:45	SM 2540D	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3S

A194202-06 (Water)

Date Sampled
10/14/2019 15:03

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.4	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1,1-Trichloroethane	ND	4.9	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	5.5	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1,2-Trichloroethane	ND	11.0	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	10.7	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1-Dichloroethane	ND	5.5	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1-Dichloroethene	ND	4.9	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,1-Dichloropropene	ND	10.8	36.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2,3-Trichlorobenzene	ND	12.5	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2,3-Trichloropropane	ND	11.8	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2,4-Trichlorobenzene	ND	19.0	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2,4-Trimethylbenzene	ND	16.8	56.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	35.3	118	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2-Dibromoethane (EDB)	ND	16.6	55.3	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2-Dichlorobenzene	ND	14.1	47.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2-Dichloroethane	ND	5.6	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,2-Dichloropropane	ND	5.7	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,3,5-Trimethylbenzene	ND	17.5	58.2	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,3-Dichlorobenzene	ND	12.6	41.9	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,3-Dichloropropane	ND	16.5	55.1	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
1,4-Dichlorobenzene	ND	18.9	62.9	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
2,2-Dichloropropane	ND	45.3	151	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
2-Butanone (MEK)	ND	58.7	400	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
2-Chlorotoluene	ND	18.5	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
2-Hexanone	ND	49.1	164	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
4-Chlorotoluene	ND	15.1	50.4	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	30.6	102	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Acetone	ND	54.8	400	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Benzene	ND	4.9	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Bromobenzene	ND	4.8	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Bromochloromethane	ND	7.2	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Bromodichloromethane	ND	7.3	24.2	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Bromoform	ND	79.4	265	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Bromomethane	ND	19.4	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Carbon disulfide	ND	7.5	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Carbon tetrachloride	ND	3.3	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Chlorobenzene	ND	14.2	47.4	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Chloroethane	ND	26.8	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Chloroform	ND	25.5	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Chloromethane	ND	43.8	146	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
cis-1,2-Dichloroethene	**25.6**	5.4	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
cis-1,3-Dichloropropene	ND	72.6	242	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Dibromochloromethane	ND	52.0	173	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3S

A194202-06 (Water)

Date Sampled
10/14/2019 15:03

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	18.7	62.5	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Dichlorodifluoromethane	ND	10	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Diisopropyl ether	ND	37.8	126	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Ethylbenzene	ND	4.4	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Hexachloro-1,3-butadiene	ND	23.6	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Isopropylbenzene (Cumene)	ND	7.9	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
m&p-Xylene	ND	9.3	40.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Methylene Chloride	ND	11.6	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Methyl-tert-butyl ether	ND	24.9	83.1	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Naphthalene	ND	23.5	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
n-Butylbenzene	ND	14.2	47.2	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
n-Hexane	ND	34.2	114	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
n-Propylbenzene	ND	16.2	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
o-Xylene	ND	5.2	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
p-Isopropyltoluene	ND	16.0	53.3	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
sec-Butylbenzene	ND	17.0	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Styrene	ND	9.3	31.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
tert-Butylbenzene	ND	6.1	20.3	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Tetrachloroethene	**1270**	6.5	21.8	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Tetrahydrofuran	ND	46.4	400	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Toluene	ND	3.4	100	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
trans-1,2-Dichloroethene	ND	21.8	72.7	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
trans-1,3-Dichloropropene	ND	87.4	291	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Trichloroethene	**90.1**	5.1	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Trichlorofluoromethane	ND	4.3	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Vinyl chloride	ND	3.5	20.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	
Xylene (Total)	ND	30.0	60.0	ug/L	20	10/17/2019	10/17/2019 23:12	EPA 8260	

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Madison WI, 53717

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Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3D

A194202-07 (Water)

Date Sampled
10/14/2019 14:00

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 22:02	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*83.1 %*	*68.8-135*		*10/30/2019*	*11/17/2019 22:02*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*92.1 %*	*82.2-139*		*10/30/2019*	*11/17/2019 22:02*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
2-Hexanone	ND	2.5	8.2	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
Acetone	ND	2.7	20.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260
Benzene	ND	0.25	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3D

A194202-07 (Water)

Date Sampled
10/14/2019 14:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Bromobenzene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
cis-1,2-Dichloroethene	**68.3**	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Dibromomethane	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Tetrachloroethene	**645**	3.3	10.9	ug/L	10	10/18/2019	10/18/2019 07:47	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
trans-1,2-Dichloroethene	**1.3**	1.1	3.6	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	J
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Trichloroethene	**68.7**	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/17/2019	10/17/2019 18:43	EPA 8260	

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608.221.4889 Fax

TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-3D

A194202-07 (Water)

Date Sampled
10/14/2019 14:00

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C						**Preparation Batch:WET 36920**			
Total Dissolved Solids	**736**	8.7	20.0	mg/L	1	10/21/2019	10/21/2019 18:12	SM 2540C	
SM 2540D						**Preparation Batch:WET 36882**			
Total Suspended Solids	**1.2**	0.95	2.0	mg/L	1	10/17/2019	10/17/2019 09:45	SM 2540D	J

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3D2

A194202-08 (Water)

Date Sampled
10/14/2019 14:17

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
cis-1,2-Dichloroethene	**20.4**	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-3D2

A194202-08 (Water)

Date Sampled
10/14/2019 14:17

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Dichlorodifluoromethane	**2.9**	0.50	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	J
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Tetrachloroethene	**280**	0.33	1.1	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Trichloroethene	**15.6**	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/17/2019	10/17/2019 19:05	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3D3

A194202-09 (Water)

Date Sampled
10/14/2019 12:16

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-3D3

A194202-09 (Water)

Date Sampled
10/14/2019 12:16

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/17/2019	10/17/2019 18:21	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

DUP-02

A194202-10 (Water)

Date Sampled
10/14/2019 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A910298**			
PCB-1016	ND	0.0072	0.12	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
PCB-1232	ND	0.0042	0.12	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
PCB-1242	ND	0.013	0.12	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
PCB-1248	ND	0.011	0.12	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
PCB-1254	ND	0.010	0.12	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
PCB-1260	ND	0.012	0.12	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 22:28	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*88.6 %*	*68.8-135*		*10/30/2019*	*11/17/2019 22:28*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*101 %*	*82.2-139*		*10/30/2019*	*11/17/2019 22:28*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
EPA 8260						**Preparation Batch:MSV 49538**			
1,1,1,2-Tetrachloroethane	ND	2.7	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1,1-Trichloroethane	ND	2.4	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	2.8	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1,2-Trichloroethane	ND	5.5	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	5.4	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1-Dichloroethane	ND	2.7	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1-Dichloroethene	ND	2.4	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,1-Dichloropropene	ND	5.4	18.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2,3-Trichlorobenzene	ND	6.3	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2,3-Trichloropropane	ND	5.9	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2,4-Trichlorobenzene	ND	9.5	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2,4-Trimethylbenzene	ND	8.4	28.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	17.6	58.8	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2-Dibromoethane (EDB)	ND	8.3	27.6	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2-Dichlorobenzene	ND	7.1	23.5	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2-Dichloroethane	ND	2.8	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,2-Dichloropropane	ND	2.8	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,3,5-Trimethylbenzene	ND	8.7	29.1	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,3-Dichlorobenzene	ND	6.3	20.9	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,3-Dichloropropane	ND	8.3	27.5	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
1,4-Dichlorobenzene	ND	9.4	31.5	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
2,2-Dichloropropane	ND	22.7	75.5	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
2-Butanone (MEK)	ND	29.4	200	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
2-Chlorotoluene	ND	9.3	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
2-Hexanone	ND	24.6	81.9	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
4-Chlorotoluene	ND	7.6	25.2	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	15.3	51.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Acetone	ND	27.4	200	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Benzene	ND	2.5	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

DUP-02

A194202-10 (Water)

Date Sampled
10/14/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Bromobenzene	ND	2.4	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Bromochloromethane	ND	3.6	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Bromodichloromethane	ND	3.6	12.1	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Bromoform	ND	39.7	132	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Bromomethane	ND	9.7	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Carbon disulfide	ND	3.7	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Carbon tetrachloride	ND	1.7	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Chlorobenzene	ND	7.1	23.7	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Chloroethane	ND	13.4	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Chloroform	ND	12.7	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Chloromethane	ND	21.9	73.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
cis-1,2-Dichloroethene	**63.3**	2.7	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
cis-1,3-Dichloropropene	ND	36.3	121	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Dibromochloromethane	ND	26.0	86.7	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Dibromomethane	ND	9.4	31.2	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Dichlorodifluoromethane	ND	5.0	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Diisopropyl ether	ND	18.9	62.9	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Ethylbenzene	ND	2.2	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Hexachloro-1,3-butadiene	ND	11.8	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Isopropylbenzene (Cumene)	ND	3.9	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
m&p-Xylene	ND	4.7	20.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Methylene Chloride	ND	5.8	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Methyl-tert-butyl ether	ND	12.5	41.5	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Naphthalene	ND	11.8	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
n-Butylbenzene	ND	7.1	23.6	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
n-Hexane	ND	17.1	57.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
n-Propylbenzene	ND	8.1	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
o-Xylene	ND	2.6	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
p-Isopropyltoluene	ND	8.0	26.7	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
sec-Butylbenzene	ND	8.5	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Styrene	ND	4.7	15.5	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
tert-Butylbenzene	ND	3.0	10.1	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Tetrachloroethene	**627**	3.3	10.9	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Tetrahydrofuran	ND	23.2	200	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Toluene	ND	1.7	50.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
trans-1,2-Dichloroethene	ND	10.9	36.4	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
trans-1,3-Dichloropropene	ND	43.7	146	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Trichloroethene	**61.7**	2.6	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Trichlorofluoromethane	ND	2.1	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Vinyl chloride	ND	1.7	10.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	
Xylene (Total)	ND	15.0	30.0	ug/L	10	10/17/2019	10/17/2019 23:35	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-02

A194202-10 (Water)

Date Sampled
10/14/2019 00:00

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C						**Preparation Batch:WET 36920**			
Total Dissolved Solids	**698**	8.7	20.0	mg/L	1	10/21/2019	10/21/2019 18:12	SM 2540C	
SM 2540D						**Preparation Batch:WET 36882**			
Total Suspended Solids	**2.0**	0.95	2.0	mg/L	1	10/17/2019	10/17/2019 09:45	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-03

A194202-11 (Water)

Date Sampled
10/14/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.4	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1,1-Trichloroethane	ND	4.9	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	5.5	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1,2-Trichloroethane	ND	11.0	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	10.7	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1-Dichloroethane	ND	5.5	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1-Dichloroethene	ND	4.9	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,1-Dichloropropene	ND	10.8	36.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2,3-Trichlorobenzene	ND	12.5	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2,3-Trichloropropane	ND	11.8	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2,4-Trichlorobenzene	ND	19.0	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2,4-Trimethylbenzene	ND	16.8	56.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	35.3	118	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2-Dibromoethane (EDB)	ND	16.6	55.3	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2-Dichlorobenzene	ND	14.1	47.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2-Dichloroethane	ND	5.6	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,2-Dichloropropane	ND	5.7	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,3,5-Trimethylbenzene	ND	17.5	58.2	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,3-Dichlorobenzene	ND	12.6	41.9	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,3-Dichloropropane	ND	16.5	55.1	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
1,4-Dichlorobenzene	ND	18.9	62.9	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
2,2-Dichloropropane	ND	45.3	151	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
2-Butanone (MEK)	ND	58.7	400	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
2-Chlorotoluene	ND	18.5	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
2-Hexanone	ND	49.1	164	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
4-Chlorotoluene	ND	15.1	50.4	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	30.6	102	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Acetone	ND	54.8	400	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Benzene	ND	4.9	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Bromobenzene	ND	4.8	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Bromochloromethane	ND	7.2	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Bromodichloromethane	ND	7.3	24.2	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Bromoform	ND	79.4	265	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Bromomethane	ND	19.4	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Carbon disulfide	ND	7.5	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Carbon tetrachloride	ND	3.3	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Chlorobenzene	ND	14.2	47.4	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Chloroethane	ND	26.8	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Chloroform	ND	25.5	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Chloromethane	ND	43.8	146	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
cis-1,2-Dichloroethene	**24.9**	5.4	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
cis-1,3-Dichloropropene	ND	72.6	242	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Dibromochloromethane	ND	52.0	173	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	

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708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

DUP-03

A194202-11 (Water)

Date Sampled
10/14/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	18.7	62.5	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Dichlorodifluoromethane	ND	10	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Diisopropyl ether	ND	37.8	126	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Ethylbenzene	ND	4.4	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Hexachloro-1,3-butadiene	ND	23.6	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Isopropylbenzene (Cumene)	ND	7.9	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
m&p-Xylene	ND	9.3	40.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Methylene Chloride	ND	11.6	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Methyl-tert-butyl ether	ND	24.9	83.1	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Naphthalene	ND	23.5	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
n-Butylbenzene	ND	14.2	47.2	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
n-Hexane	ND	34.2	114	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
n-Propylbenzene	ND	16.2	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
o-Xylene	ND	5.2	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
p-Isopropyltoluene	ND	16.0	53.3	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
sec-Butylbenzene	ND	17.0	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Styrene	ND	9.3	31.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
tert-Butylbenzene	ND	6.1	20.3	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Tetrachloroethene	**1220**	6.5	21.8	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Tetrahydrofuran	ND	46.4	400	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Toluene	ND	3.4	100	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
trans-1,2-Dichloroethene	ND	21.8	72.7	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
trans-1,3-Dichloropropene	ND	87.4	291	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Trichloroethene	**87.4**	5.1	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Trichlorofluoromethane	ND	4.3	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Vinyl chloride	ND	3.5	20.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	
Xylene (Total)	ND	30.0	60.0	ug/L	20	10/17/2019	10/17/2019 23:57	EPA 8260	

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TRC Environmental Corporation, Inc.
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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

Trip Blank (2)

A194202-12 (Water)

Date Sampled
10/11/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	

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608.221.4889 Fax

TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

Trip Blank (2)

A194202-12 (Water)

Date Sampled
10/11/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49538**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/17/2019	10/17/2019 17:58	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A910298 - EPA 3511										
Blank (A910298-BLK1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 18:42						
PCB-1016	ND	0.13	ug/L							
PCB-1221	ND	0.25	ug/L							
PCB-1232	ND	0.13	ug/L							
PCB-1242	ND	0.13	ug/L							
PCB-1248	ND	0.13	ug/L							
PCB-1254	ND	0.13	ug/L							
PCB-1260	ND	0.13	ug/L							
Total PCBs	ND	0.25	ug/L							
Surrogate: Tetrachloro-meta-xylene	*0.647*		*ug/L*	*0.7500*		*86.2*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.720*		*ug/L*	*0.7500*		*96.0*	*82.2-139*			
LCS (A910298-BS1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 19:07						
PCB-1016	15.1	0.13	ug/L	12.50		121	69.9-149			
PCB-1260	14.5	0.13	ug/L	12.50		116	82.2-144			
Surrogate: Tetrachloro-meta-xylene	*0.727*		*ug/L*	*0.7500*		*96.9*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.823*		*ug/L*	*0.7500*		*110*	*82.2-139*			
Matrix Spike (A910298-MS1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 03:54						
PCB-1016	16.4	0.12	ug/L	12.47	ND	131	60-140			
PCB-1260	16.3	0.12	ug/L	12.47	ND	131	60-140			
Surrogate: Tetrachloro-meta-xylene	*0.782*		*ug/L*	*0.7481*		*105*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.870*		*ug/L*	*0.7481*		*116*	*82.2-139*			
Matrix Spike Dup (A910298-MSD1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 04:20						
PCB-1016	14.9	0.13	ug/L	12.50	ND	119	60-140	9.37	20	
PCB-1260	15.2	0.13	ug/L	12.50	ND	122	60-140	6.76	20	
Surrogate: Tetrachloro-meta-xylene	*0.710*		*ug/L*	*0.7500*		*94.7*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.800*		*ug/L*	*0.7500*		*107*	*82.2-139*			

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Notes and Definitions

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
ND	Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Pace Analytical - ECCS Division
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 11735

Page: 1 of: 1

Lab Work Order #: A194202

Report To: Andrew Stehn
Company: TRC
Address 1:
Address 2:
E-mail Address:

Project Number: 323372 Ph. 2 PO Number: 132937
Project Name: Madison Kipp Corporation / TRC
Project Location (City, State): Madison, WI

Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga

Invoice To:
Company:
Address 1:
Address 2:

Preservation Codes
Analyses Requested

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOC	PCB	TDS	TSS			Comments	Lab ID	Lab Receipt Time
MW-4D	10/11/19	1130	GW	8		X	X	X			MS/MSD and Lab Dup	01	
MW-6S	10/11/19	1431	GW	7	X	X	X	X			time on containers 10:32 14:32	02	
MW-6D	10/11/19	1526	GW	3	X							03	
MW-17	10/11/19	1443	GW	6	X						MS/MSD	04	
FB-01	10/11/19	1610	GW	7	X	X	X	X				05	
MW-3S	10/14/19	1503	GW	3	X							06	
MW-3D	10/14/19	1400	GW	7	X	X	X	X				07	
MW-3D2	10/14/19	1417	GW	3	X							08	
MW-3D3	10/14/19	1216	GW	6	X						MS/MSD time on containers 12:15	09	
Dup-02	10/14/19	-	GW	7	X	X	X	X				10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)
Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	10/14/19	1620	[signature]	10-14-19	1620
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: WalkIn
Receipt Temp: onice
Thermometer #/ Exp. Date: 7.8°C 160142274 Exp. 12-20-19
Temp Blank: ☒ Y ☐ N

Rev. 12/15

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2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 11731

Page: 2 of: 2

Lab Work Order #: A194202

Report To: Andrew Stelma
Company: TRC
Address 1:
Address 2:
E-mail Address:

Project Number: 323372 Ph 2 PO Number: 132937
Project Name: Madison Kipp Corporation/TRC
Project Location (City, State): Madison, WI
Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga

Preservation Codes
Analyses Requested

Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOC (B)						Comments	Lab ID	Lab Receipt Time
DUP-03	10/14/19	—	GW	3	X							11	
Trip Blank (2)	—	—	W	1	X							12	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Wesley Braga	10/14/19	1620	Jessica Esser	10-14-19	1620
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk In
Receipt Temp: On ice
Thermometer #/ Exp. Date: 4.8°C 1600142274 Exp. 12-2017
Temp Blank: ☒ Y ☐ N

Rev. 12/15

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

October 29, 2019

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40197352001	**MW-4D**	Water	10/11/19 11:30	10/16/19 09:05
40197352002	**MW-6S**	Water	10/11/19 14:31	10/16/19 09:05
40197352003	**MW-6D**	Water	10/11/19 15:26	10/16/19 09:05
40197352004	**MW-17**	Water	10/11/19 14:43	10/16/19 09:05
40197352005	**FB-01**	Water	10/11/19 16:10	10/16/19 09:05
40197352006	**MW-3S**	Water	10/14/19 15:03	10/16/19 09:05
40197352007	**MW-3D**	Water	10/14/19 14:00	10/16/19 09:05
40197352008	**MW-3D2**	Water	10/14/19 14:17	10/16/19 09:05
40197352009	**MW-3D3**	Water	10/14/19 12:16	10/16/19 09:05
40197352010	**DUP-02**	Water	10/14/19 00:00	10/16/19 09:05
40197352011	**DUP-03**	Water	10/14/19 00:00	10/16/19 09:05
40197352012	**TRIP BLANK (2)**	Water	10/11/19 00:00	10/16/19 09:05

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SAMPLE ANALYTE COUNT

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40197352001	**MW-4D**	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197352002	**MW-6S**	EPA 8260	LAP	73
		SM 2540C	TMK	1
		SM 2540D	JXM	1
40197352003	**MW-6D**	EPA 8260	LAP	73
40197352004	**MW-17**	EPA 8260	LAP	73
40197352005	**FB-01**	EPA 8260	HNW	73
		SM 2540C	TMK	1
		SM 2540D	JXM	1
40197352006	**MW-3S**	EPA 8260	HNW	73
40197352007	**MW-3D**	EPA 8260	HNW	73
		SM 2540C	TMK	1
		SM 2540D	JXM	1
40197352008	**MW-3D2**	EPA 8260	HNW	73
40197352009	**MW-3D3**	EPA 8260	HNW	73
40197352010	**DUP-02**	EPA 8260	HNW	73
		SM 2540C	TMK	1
		SM 2540D	JXM	1
40197352011	**DUP-03**	EPA 8260	HNW	73
40197352012	**TRIP BLANK (2)**	EPA 8260	HNW	73

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-4D **Lab ID: 40197352001** Collected: 10/11/19 11:30 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**944**	mg/L	20.0	8.7	1		10/17/19 16:56		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/17/19 09:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-6S **Lab ID: 40197352002** Collected: 10/11/19 14:31 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/18/19 16:46	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/19 16:46	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/18/19 16:46	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/18/19 16:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/18/19 16:46	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/18/19 16:46	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/18/19 16:46	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/18/19 16:46	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/18/19 16:46	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/18/19 16:46	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/18/19 16:46	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/18/19 16:46	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/18/19 16:46	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/18/19 16:46	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/18/19 16:46	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/18/19 16:46	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/18/19 16:46	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/18/19 16:46	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/18/19 16:46	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/18/19 16:46	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/18/19 16:46	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/18/19 16:46	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/18/19 16:46	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/18/19 16:46	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/18/19 16:46	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/18/19 16:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/18/19 16:46	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/18/19 16:46	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/18/19 16:46	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/18/19 16:46	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/18/19 16:46	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/18/19 16:46	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/18/19 16:46	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/18/19 16:46	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/18/19 16:46	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/18/19 16:46	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/18/19 16:46	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/18/19 16:46	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/18/19 16:46	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/18/19 16:46	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/18/19 16:46	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/18/19 16:46	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/18/19 16:46	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/18/19 16:46	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/18/19 16:46	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/18/19 16:46	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-6S **Lab ID: 40197352002** Collected: 10/11/19 14:31 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/18/19 16:46	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/18/19 16:46	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/18/19 16:46	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/18/19 16:46	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/18/19 16:46	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/18/19 16:46	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/18/19 16:46	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/18/19 16:46	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/19 16:46	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/18/19 16:46	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/18/19 16:46	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/18/19 16:46	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/18/19 16:46	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/18/19 16:46	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/18/19 16:46	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/18/19 16:46	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/18/19 16:46	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/18/19 16:46	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/18/19 16:46	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/18/19 16:46	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/18/19 16:46	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/18/19 16:46	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/18/19 16:46	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/18/19 16:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		10/18/19 16:46	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		10/18/19 16:46	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/18/19 16:46	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5010**	mg/L	40.0	17.3	1		10/17/19 16:56		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**2.2**	mg/L	2.0	0.95	1		10/17/19 09:45		

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-6D **Lab ID: 40197352003** Collected: 10/11/19 15:26 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<6.7**	ug/L	25.0	6.7	25		10/18/19 16:24	630-20-6	
1,1,1-Trichloroethane	**<6.1**	ug/L	25.0	6.1	25		10/18/19 16:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<6.9**	ug/L	25.0	6.9	25		10/18/19 16:24	79-34-5	
1,1,2-Trichloroethane	**<13.8**	ug/L	125	13.8	25		10/18/19 16:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<13.4**	ug/L	125	13.4	25		10/18/19 16:24	76-13-1	
1,1-Dichloroethane	**<6.8**	ug/L	25.0	6.8	25		10/18/19 16:24	75-34-3	
1,1-Dichloroethene	**<6.1**	ug/L	25.0	6.1	25		10/18/19 16:24	75-35-4	
1,1-Dichloropropene	**<13.5**	ug/L	45.0	13.5	25		10/18/19 16:24	563-58-6	
1,2,3-Trichlorobenzene	**<15.6**	ug/L	125	15.6	25		10/18/19 16:24	87-61-6	
1,2,3-Trichloropropane	**<14.8**	ug/L	125	14.8	25		10/18/19 16:24	96-18-4	
1,2,4-Trichlorobenzene	**<23.8**	ug/L	125	23.8	25		10/18/19 16:24	120-82-1	
1,2,4-Trimethylbenzene	**43.5J**	ug/L	70.0	21.0	25		10/18/19 16:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<44.1**	ug/L	147	44.1	25		10/18/19 16:24	96-12-8	
1,2-Dibromoethane (EDB)	**<20.7**	ug/L	69.1	20.7	25		10/18/19 16:24	106-93-4	
1,2-Dichlorobenzene	**<17.6**	ug/L	58.8	17.6	25		10/18/19 16:24	95-50-1	
1,2-Dichloroethane	**<7.0**	ug/L	25.0	7.0	25		10/18/19 16:24	107-06-2	
1,2-Dichloropropane	**<7.1**	ug/L	25.0	7.1	25		10/18/19 16:24	78-87-5	
1,3,5-Trimethylbenzene	**<21.8**	ug/L	72.8	21.8	25		10/18/19 16:24	108-67-8	
1,3-Dichlorobenzene	**<15.7**	ug/L	52.3	15.7	25		10/18/19 16:24	541-73-1	
1,3-Dichloropropane	**<20.6**	ug/L	68.8	20.6	25		10/18/19 16:24	142-28-9	
1,4-Dichlorobenzene	**<23.6**	ug/L	78.6	23.6	25		10/18/19 16:24	106-46-7	
2,2-Dichloropropane	**<56.6**	ug/L	189	56.6	25		10/18/19 16:24	594-20-7	
2-Butanone (MEK)	**<73.4**	ug/L	500	73.4	25		10/18/19 16:24	78-93-3	
2-Chlorotoluene	**<23.2**	ug/L	125	23.2	25		10/18/19 16:24	95-49-8	
2-Hexanone	**<61.4**	ug/L	205	61.4	25		10/18/19 16:24	591-78-6	
4-Chlorotoluene	**<18.9**	ug/L	63.0	18.9	25		10/18/19 16:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<38.3**	ug/L	128	38.3	25		10/18/19 16:24	108-10-1	
Acetone	**114J**	ug/L	500	68.5	25		10/18/19 16:24	67-64-1	
Benzene	**1180**	ug/L	25.0	6.2	25		10/18/19 16:24	71-43-2	
Bromobenzene	**<6.0**	ug/L	25.0	6.0	25		10/18/19 16:24	108-86-1	
Bromochloromethane	**<9.1**	ug/L	125	9.1	25		10/18/19 16:24	74-97-5	
Bromodichloromethane	**<9.1**	ug/L	30.3	9.1	25		10/18/19 16:24	75-27-4	
Bromoform	**<99.3**	ug/L	331	99.3	25		10/18/19 16:24	75-25-2	
Bromomethane	**<24.3**	ug/L	125	24.3	25		10/18/19 16:24	74-83-9	
Carbon disulfide	**<9.4**	ug/L	125	9.4	25		10/18/19 16:24	75-15-0	
Carbon tetrachloride	**<4.1**	ug/L	25.0	4.1	25		10/18/19 16:24	56-23-5	
Chlorobenzene	**<17.8**	ug/L	59.2	17.8	25		10/18/19 16:24	108-90-7	
Chloroethane	**<33.6**	ug/L	125	33.6	25		10/18/19 16:24	75-00-3	
Chloroform	**<31.8**	ug/L	125	31.8	25		10/18/19 16:24	67-66-3	
Chloromethane	**<54.7**	ug/L	182	54.7	25		10/18/19 16:24	74-87-3	
Dibromochloromethane	**<65.0**	ug/L	217	65.0	25		10/18/19 16:24	124-48-1	
Dibromomethane	**<23.4**	ug/L	78.1	23.4	25		10/18/19 16:24	74-95-3	
Dichlorodifluoromethane	**<12.5**	ug/L	125	12.5	25		10/18/19 16:24	75-71-8	
Diisopropyl ether	**<47.2**	ug/L	157	47.2	25		10/18/19 16:24	108-20-3	
Ethylbenzene	**21.7J**	ug/L	25.0	5.5	25		10/18/19 16:24	100-41-4	
Hexachloro-1,3-butadiene	**<29.6**	ug/L	125	29.6	25		10/18/19 16:24	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-6D **Lab ID: 40197352003** Collected: 10/11/19 15:26 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**16.3J**	ug/L	125	9.8	25		10/18/19 16:24	98-82-8	
Methyl-tert-butyl ether	**<31.1**	ug/L	104	31.1	25		10/18/19 16:24	1634-04-4	
Methylene Chloride	**<14.5**	ug/L	125	14.5	25		10/18/19 16:24	75-09-2	
Naphthalene	**<29.4**	ug/L	125	29.4	25		10/18/19 16:24	91-20-3	
Styrene	**<11.6**	ug/L	38.8	11.6	25		10/18/19 16:24	100-42-5	
Tetrachloroethene	**<8.2**	ug/L	27.2	8.2	25		10/18/19 16:24	127-18-4	
Tetrahydrofuran	**<58.0**	ug/L	500	58.0	25		10/18/19 16:24	109-99-9	
Toluene	**87.7J**	ug/L	125	4.3	25		10/18/19 16:24	108-88-3	
Trichloroethene	**13.9J**	ug/L	25.0	6.4	25		10/18/19 16:24	79-01-6	
Trichlorofluoromethane	**<5.4**	ug/L	25.0	5.4	25		10/18/19 16:24	75-69-4	
Vinyl chloride	**<4.4**	ug/L	25.0	4.4	25		10/18/19 16:24	75-01-4	
Xylene (Total)	**<37.5**	ug/L	75.0	37.5	25		10/18/19 16:24	1330-20-7	
cis-1,2-Dichloroethene	**9.0J**	ug/L	25.0	6.8	25		10/18/19 16:24	156-59-2	
cis-1,3-Dichloropropene	**<90.7**	ug/L	302	90.7	25		10/18/19 16:24	10061-01-5	
m&p-Xylene	**18.4J**	ug/L	50.0	11.6	25		10/18/19 16:24	179601-23-1	
n-Butylbenzene	**<17.7**	ug/L	59.0	17.7	25		10/18/19 16:24	104-51-8	
n-Hexane	**<42.7**	ug/L	142	42.7	25		10/18/19 16:24	110-54-3	
n-Propylbenzene	**<20.3**	ug/L	125	20.3	25		10/18/19 16:24	103-65-1	
o-Xylene	**<6.5**	ug/L	25.0	6.5	25		10/18/19 16:24	95-47-6	
p-Isopropyltoluene	**<20.0**	ug/L	66.7	20.0	25		10/18/19 16:24	99-87-6	
sec-Butylbenzene	**<21.2**	ug/L	125	21.2	25		10/18/19 16:24	135-98-8	
tert-Butylbenzene	**<7.6**	ug/L	25.3	7.6	25		10/18/19 16:24	98-06-6	
trans-1,2-Dichloroethene	**<27.3**	ug/L	90.9	27.3	25		10/18/19 16:24	156-60-5	
trans-1,3-Dichloropropene	**<109**	ug/L	364	109	25		10/18/19 16:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		25		10/18/19 16:24	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		25		10/18/19 16:24	1868-53-7	
Toluene-d8 (S)	96	%	70-130		25		10/18/19 16:24	2037-26-5	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-17 **Lab ID: 40197352004** Collected: 10/11/19 14:43 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		10/18/19 16:02	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/18/19 16:02	71-55-6	M1
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		10/18/19 16:02	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		10/18/19 16:02	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.4**	ug/L	50.0	5.4	10		10/18/19 16:02	76-13-1	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		10/18/19 16:02	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		10/18/19 16:02	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		10/18/19 16:02	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		10/18/19 16:02	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		10/18/19 16:02	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		10/18/19 16:02	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		10/18/19 16:02	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		10/18/19 16:02	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		10/18/19 16:02	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		10/18/19 16:02	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		10/18/19 16:02	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		10/18/19 16:02	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		10/18/19 16:02	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		10/18/19 16:02	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		10/18/19 16:02	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		10/18/19 16:02	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		10/18/19 16:02	594-20-7	
2-Butanone (MEK)	**<29.4**	ug/L	200	29.4	10		10/18/19 16:02	78-93-3	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		10/18/19 16:02	95-49-8	
2-Hexanone	**<24.6**	ug/L	81.9	24.6	10		10/18/19 16:02	591-78-6	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		10/18/19 16:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<15.3**	ug/L	51.0	15.3	10		10/18/19 16:02	108-10-1	
Acetone	**<27.4**	ug/L	200	27.4	10		10/18/19 16:02	67-64-1	
Benzene	**<2.5**	ug/L	10.0	2.5	10		10/18/19 16:02	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		10/18/19 16:02	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		10/18/19 16:02	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		10/18/19 16:02	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		10/18/19 16:02	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		10/18/19 16:02	74-83-9	
Carbon disulfide	**<3.7**	ug/L	50.0	3.7	10		10/18/19 16:02	75-15-0	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		10/18/19 16:02	56-23-5	M1
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		10/18/19 16:02	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		10/18/19 16:02	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		10/18/19 16:02	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		10/18/19 16:02	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		10/18/19 16:02	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		10/18/19 16:02	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		10/18/19 16:02	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		10/18/19 16:02	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		10/18/19 16:02	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		10/18/19 16:02	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-17 **Lab ID: 40197352004** Collected: 10/11/19 14:43 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		10/18/19 16:02	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		10/18/19 16:02	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		10/18/19 16:02	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		10/18/19 16:02	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		10/18/19 16:02	100-42-5	
Tetrachloroethene	**747**	ug/L	10.9	3.3	10		10/18/19 16:02	127-18-4	
Tetrahydrofuran	**<23.2**	ug/L	200	23.2	10		10/18/19 16:02	109-99-9	
Toluene	**<1.7**	ug/L	50.0	1.7	10		10/18/19 16:02	108-88-3	
Trichloroethene	**60.7**	ug/L	10.0	2.6	10		10/18/19 16:02	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		10/18/19 16:02	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/18/19 16:02	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/18/19 16:02	1330-20-7	
cis-1,2-Dichloroethene	**4.2J**	ug/L	10.0	2.7	10		10/18/19 16:02	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		10/18/19 16:02	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		10/18/19 16:02	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		10/18/19 16:02	104-51-8	
n-Hexane	**<17.1**	ug/L	57.0	17.1	10		10/18/19 16:02	110-54-3	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		10/18/19 16:02	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		10/18/19 16:02	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		10/18/19 16:02	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		10/18/19 16:02	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		10/18/19 16:02	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		10/18/19 16:02	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		10/18/19 16:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		10		10/18/19 16:02	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		10		10/18/19 16:02	1868-53-7	
Toluene-d8 (S)	92	%	70-130		10		10/18/19 16:02	2037-26-5	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: FB-01 **Lab ID: 40197352005** Collected: 10/11/19 16:10 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/18/19 02:26	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/18/19 02:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/18/19 02:26	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/18/19 02:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/18/19 02:26	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/18/19 02:26	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/18/19 02:26	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/18/19 02:26	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/18/19 02:26	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/18/19 02:26	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/18/19 02:26	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/18/19 02:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/18/19 02:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/18/19 02:26	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/18/19 02:26	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/18/19 02:26	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/18/19 02:26	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/18/19 02:26	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/18/19 02:26	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/18/19 02:26	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/18/19 02:26	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/18/19 02:26	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/18/19 02:26	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/18/19 02:26	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/18/19 02:26	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/18/19 02:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/18/19 02:26	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/18/19 02:26	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/18/19 02:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/18/19 02:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/18/19 02:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/18/19 02:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/18/19 02:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/18/19 02:26	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/18/19 02:26	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/18/19 02:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/18/19 02:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/18/19 02:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/18/19 02:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/18/19 02:26	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/18/19 02:26	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/18/19 02:26	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/18/19 02:26	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/18/19 02:26	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/18/19 02:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/18/19 02:26	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: FB-01 **Lab ID: 40197352005** Collected: 10/11/19 16:10 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/18/19 02:26	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/18/19 02:26	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/18/19 02:26	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/18/19 02:26	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/18/19 02:26	100-42-5	
Tetrachloroethene	**0.64J**	ug/L	1.1	0.33	1		10/18/19 02:26	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/18/19 02:26	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/18/19 02:26	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/18/19 02:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/18/19 02:26	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/18/19 02:26	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/18/19 02:26	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/18/19 02:26	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/18/19 02:26	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/18/19 02:26	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/18/19 02:26	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/18/19 02:26	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/18/19 02:26	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/18/19 02:26	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/18/19 02:26	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/18/19 02:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/18/19 02:26	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/18/19 02:26	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/18/19 02:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/18/19 02:26	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		10/18/19 02:26	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/18/19 02:26	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**<8.7**	mg/L	20.0	8.7	1		10/17/19 16:56		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/17/19 09:45		

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3S **Lab ID: 40197352006** Collected: 10/14/19 15:03 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<5.4**	ug/L	20.0	5.4	20		10/17/19 23:12	630-20-6	
1,1,1-Trichloroethane	**<4.9**	ug/L	20.0	4.9	20		10/17/19 23:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.5**	ug/L	20.0	5.5	20		10/17/19 23:12	79-34-5	
1,1,2-Trichloroethane	**<11.0**	ug/L	100	11.0	20		10/17/19 23:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<10.7**	ug/L	100	10.7	20		10/17/19 23:12	76-13-1	
1,1-Dichloroethane	**<5.5**	ug/L	20.0	5.5	20		10/17/19 23:12	75-34-3	
1,1-Dichloroethene	**<4.9**	ug/L	20.0	4.9	20		10/17/19 23:12	75-35-4	
1,1-Dichloropropene	**<10.8**	ug/L	36.0	10.8	20		10/17/19 23:12	563-58-6	
1,2,3-Trichlorobenzene	**<12.5**	ug/L	100	12.5	20		10/17/19 23:12	87-61-6	
1,2,3-Trichloropropane	**<11.8**	ug/L	100	11.8	20		10/17/19 23:12	96-18-4	
1,2,4-Trichlorobenzene	**<19.0**	ug/L	100	19.0	20		10/17/19 23:12	120-82-1	
1,2,4-Trimethylbenzene	**<16.8**	ug/L	56.0	16.8	20		10/17/19 23:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<35.3**	ug/L	118	35.3	20		10/17/19 23:12	96-12-8	
1,2-Dibromoethane (EDB)	**<16.6**	ug/L	55.3	16.6	20		10/17/19 23:12	106-93-4	
1,2-Dichlorobenzene	**<14.1**	ug/L	47.0	14.1	20		10/17/19 23:12	95-50-1	
1,2-Dichloroethane	**<5.6**	ug/L	20.0	5.6	20		10/17/19 23:12	107-06-2	
1,2-Dichloropropane	**<5.7**	ug/L	20.0	5.7	20		10/17/19 23:12	78-87-5	
1,3,5-Trimethylbenzene	**<17.5**	ug/L	58.2	17.5	20		10/17/19 23:12	108-67-8	
1,3-Dichlorobenzene	**<12.6**	ug/L	41.9	12.6	20		10/17/19 23:12	541-73-1	
1,3-Dichloropropane	**<16.5**	ug/L	55.1	16.5	20		10/17/19 23:12	142-28-9	
1,4-Dichlorobenzene	**<18.9**	ug/L	62.9	18.9	20		10/17/19 23:12	106-46-7	
2,2-Dichloropropane	**<45.3**	ug/L	151	45.3	20		10/17/19 23:12	594-20-7	
2-Butanone (MEK)	**<58.7**	ug/L	400	58.7	20		10/17/19 23:12	78-93-3	
2-Chlorotoluene	**<18.5**	ug/L	100	18.5	20		10/17/19 23:12	95-49-8	
2-Hexanone	**<49.1**	ug/L	164	49.1	20		10/17/19 23:12	591-78-6	
4-Chlorotoluene	**<15.1**	ug/L	50.4	15.1	20		10/17/19 23:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<30.6**	ug/L	102	30.6	20		10/17/19 23:12	108-10-1	
Acetone	**<54.8**	ug/L	400	54.8	20		10/17/19 23:12	67-64-1	
Benzene	**<4.9**	ug/L	20.0	4.9	20		10/17/19 23:12	71-43-2	
Bromobenzene	**<4.8**	ug/L	20.0	4.8	20		10/17/19 23:12	108-86-1	
Bromochloromethane	**<7.2**	ug/L	100	7.2	20		10/17/19 23:12	74-97-5	
Bromodichloromethane	**<7.3**	ug/L	24.2	7.3	20		10/17/19 23:12	75-27-4	
Bromoform	**<79.4**	ug/L	265	79.4	20		10/17/19 23:12	75-25-2	
Bromomethane	**<19.4**	ug/L	100	19.4	20		10/17/19 23:12	74-83-9	
Carbon disulfide	**<7.5**	ug/L	100	7.5	20		10/17/19 23:12	75-15-0	
Carbon tetrachloride	**<3.3**	ug/L	20.0	3.3	20		10/17/19 23:12	56-23-5	
Chlorobenzene	**<14.2**	ug/L	47.4	14.2	20		10/17/19 23:12	108-90-7	
Chloroethane	**<26.8**	ug/L	100	26.8	20		10/17/19 23:12	75-00-3	
Chloroform	**<25.5**	ug/L	100	25.5	20		10/17/19 23:12	67-66-3	
Chloromethane	**<43.8**	ug/L	146	43.8	20		10/17/19 23:12	74-87-3	
Dibromochloromethane	**<52.0**	ug/L	173	52.0	20		10/17/19 23:12	124-48-1	
Dibromomethane	**<18.7**	ug/L	62.5	18.7	20		10/17/19 23:12	74-95-3	
Dichlorodifluoromethane	**<10**	ug/L	100	10	20		10/17/19 23:12	75-71-8	
Diisopropyl ether	**<37.8**	ug/L	126	37.8	20		10/17/19 23:12	108-20-3	
Ethylbenzene	**<4.4**	ug/L	20.0	4.4	20		10/17/19 23:12	100-41-4	
Hexachloro-1,3-butadiene	**<23.6**	ug/L	100	23.6	20		10/17/19 23:12	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3S **Lab ID: 40197352006** Collected: 10/14/19 15:03 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<7.9**	ug/L	100	7.9	20		10/17/19 23:12	98-82-8	
Methyl-tert-butyl ether	**<24.9**	ug/L	83.1	24.9	20		10/17/19 23:12	1634-04-4	
Methylene Chloride	**<11.6**	ug/L	100	11.6	20		10/17/19 23:12	75-09-2	
Naphthalene	**<23.5**	ug/L	100	23.5	20		10/17/19 23:12	91-20-3	
Styrene	**<9.3**	ug/L	31.0	9.3	20		10/17/19 23:12	100-42-5	
Tetrachloroethene	**1270**	ug/L	21.8	6.5	20		10/17/19 23:12	127-18-4	
Tetrahydrofuran	**<46.4**	ug/L	400	46.4	20		10/17/19 23:12	109-99-9	
Toluene	**<3.4**	ug/L	100	3.4	20		10/17/19 23:12	108-88-3	
Trichloroethene	**90.1**	ug/L	20.0	5.1	20		10/17/19 23:12	79-01-6	
Trichlorofluoromethane	**<4.3**	ug/L	20.0	4.3	20		10/17/19 23:12	75-69-4	
Vinyl chloride	**<3.5**	ug/L	20.0	3.5	20		10/17/19 23:12	75-01-4	
Xylene (Total)	**<30.0**	ug/L	60.0	30.0	20		10/17/19 23:12	1330-20-7	
cis-1,2-Dichloroethene	**25.6**	ug/L	20.0	5.4	20		10/17/19 23:12	156-59-2	
cis-1,3-Dichloropropene	**<72.6**	ug/L	242	72.6	20		10/17/19 23:12	10061-01-5	
m&p-Xylene	**<9.3**	ug/L	40.0	9.3	20		10/17/19 23:12	179601-23-1	
n-Butylbenzene	**<14.2**	ug/L	47.2	14.2	20		10/17/19 23:12	104-51-8	
n-Hexane	**<34.2**	ug/L	114	34.2	20		10/17/19 23:12	110-54-3	
n-Propylbenzene	**<16.2**	ug/L	100	16.2	20		10/17/19 23:12	103-65-1	
o-Xylene	**<5.2**	ug/L	20.0	5.2	20		10/17/19 23:12	95-47-6	
p-Isopropyltoluene	**<16.0**	ug/L	53.3	16.0	20		10/17/19 23:12	99-87-6	
sec-Butylbenzene	**<17.0**	ug/L	100	17.0	20		10/17/19 23:12	135-98-8	
tert-Butylbenzene	**<6.1**	ug/L	20.3	6.1	20		10/17/19 23:12	98-06-6	
trans-1,2-Dichloroethene	**<21.8**	ug/L	72.7	21.8	20		10/17/19 23:12	156-60-5	
trans-1,3-Dichloropropene	**<87.4**	ug/L	291	87.4	20		10/17/19 23:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		20		10/17/19 23:12	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		20		10/17/19 23:12	1868-53-7	
Toluene-d8 (S)	99	%	70-130		20		10/17/19 23:12	2037-26-5	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3D **Lab ID: 40197352007** Collected: 10/14/19 14:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 18:43	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/17/19 18:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 18:43	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/17/19 18:43	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/17/19 18:43	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 18:43	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 18:43	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/17/19 18:43	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/17/19 18:43	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/17/19 18:43	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/17/19 18:43	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/17/19 18:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/17/19 18:43	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/17/19 18:43	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 18:43	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 18:43	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 18:43	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/17/19 18:43	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/17/19 18:43	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/17/19 18:43	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/17/19 18:43	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/17/19 18:43	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/17/19 18:43	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/17/19 18:43	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/17/19 18:43	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/17/19 18:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/17/19 18:43	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/17/19 18:43	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/17/19 18:43	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 18:43	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/17/19 18:43	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/17/19 18:43	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/17/19 18:43	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/17/19 18:43	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/17/19 18:43	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 18:43	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 18:43	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/17/19 18:43	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/17/19 18:43	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/17/19 18:43	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/17/19 18:43	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/17/19 18:43	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/17/19 18:43	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/17/19 18:43	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/17/19 18:43	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 18:43	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3D **Lab ID: 40197352007** Collected: 10/14/19 14:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/17/19 18:43	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/17/19 18:43	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/17/19 18:43	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 18:43	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/17/19 18:43	100-42-5	
Tetrachloroethene	**645**	ug/L	10.9	3.3	10		10/18/19 07:47	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/17/19 18:43	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/17/19 18:43	108-88-3	
Trichloroethene	**68.7**	ug/L	1.0	0.26	1		10/17/19 18:43	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/17/19 18:43	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 18:43	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/17/19 18:43	1330-20-7	
cis-1,2-Dichloroethene	**68.3**	ug/L	1.0	0.27	1		10/17/19 18:43	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/17/19 18:43	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/17/19 18:43	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 18:43	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/17/19 18:43	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/17/19 18:43	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/17/19 18:43	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/17/19 18:43	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/17/19 18:43	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/17/19 18:43	98-06-6	
trans-1,2-Dichloroethene	**1.3J**	ug/L	3.6	1.1	1		10/17/19 18:43	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/17/19 18:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/17/19 18:43	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/17/19 18:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/17/19 18:43	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**736**	mg/L	20.0	8.7	1		10/21/19 18:12		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**1.2J**	mg/L	2.0	0.95	1		10/17/19 09:45		

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3D2 **Lab ID: 40197352008** Collected: 10/14/19 14:17 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 19:05	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/17/19 19:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 19:05	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/17/19 19:05	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/17/19 19:05	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 19:05	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 19:05	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/17/19 19:05	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/17/19 19:05	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/17/19 19:05	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/17/19 19:05	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/17/19 19:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/17/19 19:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/17/19 19:05	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 19:05	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 19:05	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 19:05	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/17/19 19:05	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/17/19 19:05	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/17/19 19:05	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/17/19 19:05	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/17/19 19:05	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/17/19 19:05	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/17/19 19:05	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/17/19 19:05	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/17/19 19:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/17/19 19:05	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/17/19 19:05	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/17/19 19:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 19:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/17/19 19:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/17/19 19:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/17/19 19:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/17/19 19:05	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/17/19 19:05	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 19:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 19:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/17/19 19:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/17/19 19:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/17/19 19:05	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/17/19 19:05	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/17/19 19:05	74-95-3	
Dichlorodifluoromethane	**2.9J**	ug/L	5.0	0.50	1		10/17/19 19:05	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/17/19 19:05	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/17/19 19:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 19:05	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3D2 **Lab ID: 40197352008** Collected: 10/14/19 14:17 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/17/19 19:05	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/17/19 19:05	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/17/19 19:05	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 19:05	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/17/19 19:05	100-42-5	
Tetrachloroethene	**280**	ug/L	1.1	0.33	1		10/17/19 19:05	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/17/19 19:05	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/17/19 19:05	108-88-3	
Trichloroethene	**15.6**	ug/L	1.0	0.26	1		10/17/19 19:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/17/19 19:05	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 19:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/17/19 19:05	1330-20-7	
cis-1,2-Dichloroethene	**20.4**	ug/L	1.0	0.27	1		10/17/19 19:05	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/17/19 19:05	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/17/19 19:05	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 19:05	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/17/19 19:05	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/17/19 19:05	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/17/19 19:05	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/17/19 19:05	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/17/19 19:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/17/19 19:05	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/17/19 19:05	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/17/19 19:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/17/19 19:05	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/17/19 19:05	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/17/19 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3D3 **Lab ID: 40197352009** Collected: 10/14/19 12:16 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 18:21	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/17/19 18:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 18:21	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/17/19 18:21	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/17/19 18:21	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 18:21	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 18:21	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/17/19 18:21	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/17/19 18:21	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/17/19 18:21	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/17/19 18:21	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/17/19 18:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/17/19 18:21	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/17/19 18:21	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 18:21	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 18:21	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 18:21	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/17/19 18:21	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/17/19 18:21	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/17/19 18:21	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/17/19 18:21	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/17/19 18:21	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/17/19 18:21	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/17/19 18:21	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/17/19 18:21	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/17/19 18:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/17/19 18:21	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/17/19 18:21	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/17/19 18:21	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 18:21	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/17/19 18:21	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/17/19 18:21	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/17/19 18:21	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/17/19 18:21	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/17/19 18:21	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 18:21	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 18:21	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/17/19 18:21	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/17/19 18:21	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/17/19 18:21	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/17/19 18:21	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/17/19 18:21	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/17/19 18:21	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/17/19 18:21	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/17/19 18:21	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 18:21	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: MW-3D3 **Lab ID: 40197352009** Collected: 10/14/19 12:16 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/17/19 18:21	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/17/19 18:21	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/17/19 18:21	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 18:21	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/17/19 18:21	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/17/19 18:21	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/17/19 18:21	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/17/19 18:21	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/17/19 18:21	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/17/19 18:21	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 18:21	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/17/19 18:21	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/17/19 18:21	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/17/19 18:21	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/17/19 18:21	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 18:21	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/17/19 18:21	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/17/19 18:21	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/17/19 18:21	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/17/19 18:21	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/17/19 18:21	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/17/19 18:21	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/17/19 18:21	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/17/19 18:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/17/19 18:21	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/17/19 18:21	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/17/19 18:21	2037-26-5	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: DUP-02 **Lab ID: 40197352010** Collected: 10/14/19 00:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		10/17/19 23:35	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/17/19 23:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		10/17/19 23:35	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		10/17/19 23:35	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.4**	ug/L	50.0	5.4	10		10/17/19 23:35	76-13-1	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		10/17/19 23:35	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		10/17/19 23:35	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		10/17/19 23:35	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		10/17/19 23:35	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		10/17/19 23:35	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		10/17/19 23:35	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		10/17/19 23:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		10/17/19 23:35	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		10/17/19 23:35	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		10/17/19 23:35	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		10/17/19 23:35	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		10/17/19 23:35	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		10/17/19 23:35	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		10/17/19 23:35	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		10/17/19 23:35	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		10/17/19 23:35	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		10/17/19 23:35	594-20-7	
2-Butanone (MEK)	**<29.4**	ug/L	200	29.4	10		10/17/19 23:35	78-93-3	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		10/17/19 23:35	95-49-8	
2-Hexanone	**<24.6**	ug/L	81.9	24.6	10		10/17/19 23:35	591-78-6	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		10/17/19 23:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<15.3**	ug/L	51.0	15.3	10		10/17/19 23:35	108-10-1	
Acetone	**<27.4**	ug/L	200	27.4	10		10/17/19 23:35	67-64-1	
Benzene	**<2.5**	ug/L	10.0	2.5	10		10/17/19 23:35	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		10/17/19 23:35	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		10/17/19 23:35	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		10/17/19 23:35	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		10/17/19 23:35	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		10/17/19 23:35	74-83-9	
Carbon disulfide	**<3.7**	ug/L	50.0	3.7	10		10/17/19 23:35	75-15-0	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		10/17/19 23:35	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		10/17/19 23:35	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		10/17/19 23:35	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		10/17/19 23:35	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		10/17/19 23:35	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		10/17/19 23:35	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		10/17/19 23:35	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		10/17/19 23:35	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		10/17/19 23:35	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		10/17/19 23:35	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		10/17/19 23:35	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: DUP-02 **Lab ID: 40197352010** Collected: 10/14/19 00:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		10/17/19 23:35	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		10/17/19 23:35	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		10/17/19 23:35	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		10/17/19 23:35	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		10/17/19 23:35	100-42-5	
Tetrachloroethene	**627**	ug/L	10.9	3.3	10		10/17/19 23:35	127-18-4	
Tetrahydrofuran	**<23.2**	ug/L	200	23.2	10		10/17/19 23:35	109-99-9	
Toluene	**<1.7**	ug/L	50.0	1.7	10		10/17/19 23:35	108-88-3	
Trichloroethene	**61.7**	ug/L	10.0	2.6	10		10/17/19 23:35	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		10/17/19 23:35	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		10/17/19 23:35	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/17/19 23:35	1330-20-7	
cis-1,2-Dichloroethene	**63.3**	ug/L	10.0	2.7	10		10/17/19 23:35	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		10/17/19 23:35	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		10/17/19 23:35	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		10/17/19 23:35	104-51-8	
n-Hexane	**<17.1**	ug/L	57.0	17.1	10		10/17/19 23:35	110-54-3	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		10/17/19 23:35	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		10/17/19 23:35	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		10/17/19 23:35	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		10/17/19 23:35	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		10/17/19 23:35	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		10/17/19 23:35	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		10/17/19 23:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		10		10/17/19 23:35	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		10		10/17/19 23:35	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		10/17/19 23:35	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**698**	mg/L	20.0	8.7	1		10/21/19 18:12		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**2.0**	mg/L	2.0	0.95	1		10/17/19 09:45		

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: DUP-03 **Lab ID: 40197352011** Collected: 10/14/19 00:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<5.4**	ug/L	20.0	5.4	20		10/17/19 23:57	630-20-6	
1,1,1-Trichloroethane	**<4.9**	ug/L	20.0	4.9	20		10/17/19 23:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.5**	ug/L	20.0	5.5	20		10/17/19 23:57	79-34-5	
1,1,2-Trichloroethane	**<11.0**	ug/L	100	11.0	20		10/17/19 23:57	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<10.7**	ug/L	100	10.7	20		10/17/19 23:57	76-13-1	
1,1-Dichloroethane	**<5.5**	ug/L	20.0	5.5	20		10/17/19 23:57	75-34-3	
1,1-Dichloroethene	**<4.9**	ug/L	20.0	4.9	20		10/17/19 23:57	75-35-4	
1,1-Dichloropropene	**<10.8**	ug/L	36.0	10.8	20		10/17/19 23:57	563-58-6	
1,2,3-Trichlorobenzene	**<12.5**	ug/L	100	12.5	20		10/17/19 23:57	87-61-6	
1,2,3-Trichloropropane	**<11.8**	ug/L	100	11.8	20		10/17/19 23:57	96-18-4	
1,2,4-Trichlorobenzene	**<19.0**	ug/L	100	19.0	20		10/17/19 23:57	120-82-1	
1,2,4-Trimethylbenzene	**<16.8**	ug/L	56.0	16.8	20		10/17/19 23:57	95-63-6	
1,2-Dibromo-3-chloropropane	**<35.3**	ug/L	118	35.3	20		10/17/19 23:57	96-12-8	
1,2-Dibromoethane (EDB)	**<16.6**	ug/L	55.3	16.6	20		10/17/19 23:57	106-93-4	
1,2-Dichlorobenzene	**<14.1**	ug/L	47.0	14.1	20		10/17/19 23:57	95-50-1	
1,2-Dichloroethane	**<5.6**	ug/L	20.0	5.6	20		10/17/19 23:57	107-06-2	
1,2-Dichloropropane	**<5.7**	ug/L	20.0	5.7	20		10/17/19 23:57	78-87-5	
1,3,5-Trimethylbenzene	**<17.5**	ug/L	58.2	17.5	20		10/17/19 23:57	108-67-8	
1,3-Dichlorobenzene	**<12.6**	ug/L	41.9	12.6	20		10/17/19 23:57	541-73-1	
1,3-Dichloropropane	**<16.5**	ug/L	55.1	16.5	20		10/17/19 23:57	142-28-9	
1,4-Dichlorobenzene	**<18.9**	ug/L	62.9	18.9	20		10/17/19 23:57	106-46-7	
2,2-Dichloropropane	**<45.3**	ug/L	151	45.3	20		10/17/19 23:57	594-20-7	
2-Butanone (MEK)	**<58.7**	ug/L	400	58.7	20		10/17/19 23:57	78-93-3	
2-Chlorotoluene	**<18.5**	ug/L	100	18.5	20		10/17/19 23:57	95-49-8	
2-Hexanone	**<49.1**	ug/L	164	49.1	20		10/17/19 23:57	591-78-6	
4-Chlorotoluene	**<15.1**	ug/L	50.4	15.1	20		10/17/19 23:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<30.6**	ug/L	102	30.6	20		10/17/19 23:57	108-10-1	
Acetone	**<54.8**	ug/L	400	54.8	20		10/17/19 23:57	67-64-1	
Benzene	**<4.9**	ug/L	20.0	4.9	20		10/17/19 23:57	71-43-2	
Bromobenzene	**<4.8**	ug/L	20.0	4.8	20		10/17/19 23:57	108-86-1	
Bromochloromethane	**<7.2**	ug/L	100	7.2	20		10/17/19 23:57	74-97-5	
Bromodichloromethane	**<7.3**	ug/L	24.2	7.3	20		10/17/19 23:57	75-27-4	
Bromoform	**<79.4**	ug/L	265	79.4	20		10/17/19 23:57	75-25-2	
Bromomethane	**<19.4**	ug/L	100	19.4	20		10/17/19 23:57	74-83-9	
Carbon disulfide	**<7.5**	ug/L	100	7.5	20		10/17/19 23:57	75-15-0	
Carbon tetrachloride	**<3.3**	ug/L	20.0	3.3	20		10/17/19 23:57	56-23-5	
Chlorobenzene	**<14.2**	ug/L	47.4	14.2	20		10/17/19 23:57	108-90-7	
Chloroethane	**<26.8**	ug/L	100	26.8	20		10/17/19 23:57	75-00-3	
Chloroform	**<25.5**	ug/L	100	25.5	20		10/17/19 23:57	67-66-3	
Chloromethane	**<43.8**	ug/L	146	43.8	20		10/17/19 23:57	74-87-3	
Dibromochloromethane	**<52.0**	ug/L	173	52.0	20		10/17/19 23:57	124-48-1	
Dibromomethane	**<18.7**	ug/L	62.5	18.7	20		10/17/19 23:57	74-95-3	
Dichlorodifluoromethane	**<10**	ug/L	100	10	20		10/17/19 23:57	75-71-8	
Diisopropyl ether	**<37.8**	ug/L	126	37.8	20		10/17/19 23:57	108-20-3	
Ethylbenzene	**<4.4**	ug/L	20.0	4.4	20		10/17/19 23:57	100-41-4	
Hexachloro-1,3-butadiene	**<23.6**	ug/L	100	23.6	20		10/17/19 23:57	87-68-3	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: DUP-03 **Lab ID: 40197352011** Collected: 10/14/19 00:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<7.9**	ug/L	100	7.9	20		10/17/19 23:57	98-82-8	
Methyl-tert-butyl ether	**<24.9**	ug/L	83.1	24.9	20		10/17/19 23:57	1634-04-4	
Methylene Chloride	**<11.6**	ug/L	100	11.6	20		10/17/19 23:57	75-09-2	
Naphthalene	**<23.5**	ug/L	100	23.5	20		10/17/19 23:57	91-20-3	
Styrene	**<9.3**	ug/L	31.0	9.3	20		10/17/19 23:57	100-42-5	
Tetrachloroethene	**1220**	ug/L	21.8	6.5	20		10/17/19 23:57	127-18-4	
Tetrahydrofuran	**<46.4**	ug/L	400	46.4	20		10/17/19 23:57	109-99-9	
Toluene	**<3.4**	ug/L	100	3.4	20		10/17/19 23:57	108-88-3	
Trichloroethene	**87.4**	ug/L	20.0	5.1	20		10/17/19 23:57	79-01-6	
Trichlorofluoromethane	**<4.3**	ug/L	20.0	4.3	20		10/17/19 23:57	75-69-4	
Vinyl chloride	**<3.5**	ug/L	20.0	3.5	20		10/17/19 23:57	75-01-4	
Xylene (Total)	**<30.0**	ug/L	60.0	30.0	20		10/17/19 23:57	1330-20-7	
cis-1,2-Dichloroethene	**24.9**	ug/L	20.0	5.4	20		10/17/19 23:57	156-59-2	
cis-1,3-Dichloropropene	**<72.6**	ug/L	242	72.6	20		10/17/19 23:57	10061-01-5	
m&p-Xylene	**<9.3**	ug/L	40.0	9.3	20		10/17/19 23:57	179601-23-1	
n-Butylbenzene	**<14.2**	ug/L	47.2	14.2	20		10/17/19 23:57	104-51-8	
n-Hexane	**<34.2**	ug/L	114	34.2	20		10/17/19 23:57	110-54-3	
n-Propylbenzene	**<16.2**	ug/L	100	16.2	20		10/17/19 23:57	103-65-1	
o-Xylene	**<5.2**	ug/L	20.0	5.2	20		10/17/19 23:57	95-47-6	
p-Isopropyltoluene	**<16.0**	ug/L	53.3	16.0	20		10/17/19 23:57	99-87-6	
sec-Butylbenzene	**<17.0**	ug/L	100	17.0	20		10/17/19 23:57	135-98-8	
tert-Butylbenzene	**<6.1**	ug/L	20.3	6.1	20		10/17/19 23:57	98-06-6	
trans-1,2-Dichloroethene	**<21.8**	ug/L	72.7	21.8	20		10/17/19 23:57	156-60-5	
trans-1,3-Dichloropropene	**<87.4**	ug/L	291	87.4	20		10/17/19 23:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		20		10/17/19 23:57	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		20		10/17/19 23:57	1868-53-7	
Toluene-d8 (S)	98	%	70-130		20		10/17/19 23:57	2037-26-5	

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: TRIP BLANK (2) **Lab ID: 40197352012** Collected: 10/11/19 00:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 17:58	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/17/19 17:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 17:58	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/17/19 17:58	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/17/19 17:58	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/17/19 17:58	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 17:58	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/17/19 17:58	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/17/19 17:58	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/17/19 17:58	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/17/19 17:58	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/17/19 17:58	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/17/19 17:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/17/19 17:58	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 17:58	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 17:58	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/17/19 17:58	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/17/19 17:58	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/17/19 17:58	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/17/19 17:58	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/17/19 17:58	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/17/19 17:58	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/17/19 17:58	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/17/19 17:58	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/17/19 17:58	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/17/19 17:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/17/19 17:58	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/17/19 17:58	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/17/19 17:58	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/17/19 17:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/17/19 17:58	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/17/19 17:58	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/17/19 17:58	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/17/19 17:58	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/17/19 17:58	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 17:58	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 17:58	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/17/19 17:58	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/17/19 17:58	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/17/19 17:58	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/17/19 17:58	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/17/19 17:58	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/17/19 17:58	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/17/19 17:58	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/17/19 17:58	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 17:58	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Sample: TRIP BLANK (2) **Lab ID: 40197352012** Collected: 10/11/19 00:00 Received: 10/16/19 09:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/17/19 17:58	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/17/19 17:58	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/17/19 17:58	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/17/19 17:58	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/17/19 17:58	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/17/19 17:58	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/17/19 17:58	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/17/19 17:58	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/17/19 17:58	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/17/19 17:58	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/17/19 17:58	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/17/19 17:58	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/17/19 17:58	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/17/19 17:58	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/17/19 17:58	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/17/19 17:58	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/17/19 17:58	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/17/19 17:58	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/17/19 17:58	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/17/19 17:58	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/17/19 17:58	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/17/19 17:58	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/17/19 17:58	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/17/19 17:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/17/19 17:58	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/17/19 17:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/17/19 17:58	2037-26-5	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

QC Batch: 337762 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197352002, 40197352003, 40197352004

METHOD BLANK: 1961981 Matrix: Water
Associated Lab Samples: 40197352002, 40197352003, 40197352004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/18/19 13:25	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/18/19 13:25	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/18/19 13:25	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/18/19 13:25	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	5.0	10/18/19 13:25	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/18/19 13:25	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/18/19 13:25	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/18/19 13:25	
1,2,3-Trichlorobenzene	ug/L	1.1J	5.0	10/18/19 13:25	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/18/19 13:25	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/18/19 13:25	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/18/19 13:25	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/18/19 13:25	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/18/19 13:25	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/18/19 13:25	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/18/19 13:25	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/18/19 13:25	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/18/19 13:25	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/18/19 13:25	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/18/19 13:25	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/18/19 13:25	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/18/19 13:25	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/18/19 13:25	
2-Chlorotoluene	ug/L	<0.93	5.0	10/18/19 13:25	
2-Hexanone	ug/L	<2.5	8.2	10/18/19 13:25	
4-Chlorotoluene	ug/L	<0.76	2.5	10/18/19 13:25	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/18/19 13:25	
Acetone	ug/L	<2.7	20.0	10/18/19 13:25	
Benzene	ug/L	<0.25	1.0	10/18/19 13:25	
Bromobenzene	ug/L	<0.24	1.0	10/18/19 13:25	
Bromochloromethane	ug/L	<0.36	5.0	10/18/19 13:25	
Bromodichloromethane	ug/L	<0.36	1.2	10/18/19 13:25	
Bromoform	ug/L	<4.0	13.2	10/18/19 13:25	
Bromomethane	ug/L	<0.97	5.0	10/18/19 13:25	
Carbon disulfide	ug/L	<0.37	5.0	10/18/19 13:25	
Carbon tetrachloride	ug/L	<0.17	1.0	10/18/19 13:25	
Chlorobenzene	ug/L	<0.71	2.4	10/18/19 13:25	
Chloroethane	ug/L	<1.3	5.0	10/18/19 13:25	
Chloroform	ug/L	<1.3	5.0	10/18/19 13:25	
Chloromethane	ug/L	<2.2	7.3	10/18/19 13:25	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/18/19 13:25	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

METHOD BLANK: 1961981 Matrix: Water
Associated Lab Samples: 40197352002, 40197352003, 40197352004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/18/19 13:25	
Dibromochloromethane	ug/L	<2.6	8.7	10/18/19 13:25	
Dibromomethane	ug/L	<0.94	3.1	10/18/19 13:25	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/18/19 13:25	
Diisopropyl ether	ug/L	<1.9	6.3	10/18/19 13:25	
Ethylbenzene	ug/L	<0.22	1.0	10/18/19 13:25	
Hexachloro-1,3-butadiene	ug/L	1.3J	5.0	10/18/19 13:25	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/18/19 13:25	
m&p-Xylene	ug/L	<0.47	2.0	10/18/19 13:25	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/18/19 13:25	
Methylene Chloride	ug/L	<0.58	5.0	10/18/19 13:25	
n-Butylbenzene	ug/L	<0.71	2.4	10/18/19 13:25	
n-Hexane	ug/L	<1.7	5.7	10/18/19 13:25	
n-Propylbenzene	ug/L	<0.81	5.0	10/18/19 13:25	
Naphthalene	ug/L	<1.2	5.0	10/18/19 13:25	
o-Xylene	ug/L	<0.26	1.0	10/18/19 13:25	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/18/19 13:25	
sec-Butylbenzene	ug/L	<0.85	5.0	10/18/19 13:25	
Styrene	ug/L	<0.47	1.6	10/18/19 13:25	
tert-Butylbenzene	ug/L	<0.30	1.0	10/18/19 13:25	
Tetrachloroethene	ug/L	<0.33	1.1	10/18/19 13:25	
Tetrahydrofuran	ug/L	<2.3	20.0	10/18/19 13:25	
Toluene	ug/L	<0.17	5.0	10/18/19 13:25	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/18/19 13:25	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/18/19 13:25	
Trichloroethene	ug/L	<0.26	1.0	10/18/19 13:25	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/18/19 13:25	
Vinyl chloride	ug/L	<0.17	1.0	10/18/19 13:25	
Xylene (Total)	ug/L	<1.5	3.0	10/18/19 13:25	
4-Bromofluorobenzene (S)	%	89	70-130	10/18/19 13:25	
Dibromofluoromethane (S)	%	106	70-130	10/18/19 13:25	
Toluene-d8 (S)	%	94	70-130	10/18/19 13:25	

LABORATORY CONTROL SAMPLE: 1961982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	62.6	125	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.3	89	70-130	
1,1,2-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.0	112	50-150	
1,1-Dichloroethane	ug/L	50	59.7	119	73-150	
1,1-Dichloroethene	ug/L	50	58.9	118	73-138	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	37.8	76	64-129	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

LABORATORY CONTROL SAMPLE: 1961982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	49.7	99	70-130	
1,2-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,2-Dichloroethane	ug/L	50	56.5	113	75-140	
1,2-Dichloropropane	ug/L	50	56.6	113	73-135	
1,3-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,4-Dichlorobenzene	ug/L	50	53.6	107	70-130	
Benzene	ug/L	50	54.8	110	70-130	
Bromodichloromethane	ug/L	50	56.1	112	70-130	
Bromoform	ug/L	50	49.3	99	68-129	
Bromomethane	ug/L	50	55.1	110	18-159	
Carbon disulfide	ug/L	50	54.5	109	69-132	
Carbon tetrachloride	ug/L	50	63.4	127	70-130	
Chlorobenzene	ug/L	50	53.8	108	70-130	
Chloroethane	ug/L	50	51.9	104	53-147	
Chloroform	ug/L	50	56.7	113	74-136	
Chloromethane	ug/L	50	47.1	94	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.7	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	37.3	75	10-130	
Ethylbenzene	ug/L	50	54.4	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	57.7	115	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	44.7	89	54-137	
Methylene Chloride	ug/L	50	59.7	119	73-138	
o-Xylene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	54.9	110	70-130	
Tetrachloroethene	ug/L	50	53.6	107	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	60.0	120	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Trichloroethene	ug/L	50	56.8	114	70-130	
Trichlorofluoromethane	ug/L	50	63.9	128	76-147	
Vinyl chloride	ug/L	50	50.6	101	51-120	
Xylene (Total)	ug/L	150	164	110	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1961983 1961984

Parameter	Units	40197352004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<2.4	500	500	598	662	120	132	70-130	10	20	M1
1,1,2,2-Tetrachloroethane	ug/L	<2.8	500	500	451	456	90	91	70-130	1	20	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1961983 1961984

Parameter	Units	40197352004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,2-Trichloroethane	ug/L	<5.5	500	500	508	517	102	103	70-137	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<5.4	500	500	599	634	120	127	50-150	6	20	
1,1-Dichloroethane	ug/L	<2.7	500	500	587	628	117	126	73-153	7	20	
1,1-Dichloroethene	ug/L	<2.4	500	500	570	623	114	125	73-138	9	20	
1,2,4-Trichlorobenzene	ug/L	<9.5	500	500	545	561	107	111	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<17.6	500	500	401	371	80	74	58-129	8	20	
1,2-Dibromoethane (EDB)	ug/L	<8.3	500	500	484	462	97	92	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<7.1	500	500	554	564	111	112	70-130	2	20	
1,2-Dichloroethane	ug/L	<2.8	500	500	560	579	112	116	75-140	3	20	
1,2-Dichloropropane	ug/L	<2.8	500	500	561	604	112	121	71-138	7	20	
1,3-Dichlorobenzene	ug/L	<6.3	500	500	558	568	112	114	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<9.4	500	500	569	577	114	115	70-130	1	20	
Benzene	ug/L	<2.5	500	500	542	560	108	112	70-130	3	20	
Bromodichloromethane	ug/L	<3.6	500	500	549	600	110	120	70-130	9	20	
Bromoform	ug/L	<39.7	500	500	492	480	98	96	68-129	3	20	
Bromomethane	ug/L	<9.7	500	500	554	571	111	114	15-170	3	20	
Carbon disulfide	ug/L	<3.7	500	500	533	561	107	112	66-145	5	20	
Carbon tetrachloride	ug/L	<1.7	500	500	665	680	133	136	70-130	2	20	M1
Chlorobenzene	ug/L	<7.1	500	500	549	565	110	113	70-130	3	20	
Chloroethane	ug/L	<13.4	500	500	525	552	105	110	51-148	5	20	
Chloroform	ug/L	<12.7	500	500	538	562	107	111	74-136	4	20	
Chloromethane	ug/L	<21.9	500	500	392	438	78	88	23-115	11	20	
cis-1,2-Dichloroethene	ug/L	4.2J	500	500	494	539	98	107	70-131	9	20	
cis-1,3-Dichloropropene	ug/L	<36.3	500	500	489	532	98	106	70-130	8	20	
Dibromochloromethane	ug/L	<26.0	500	500	520	505	104	101	70-130	3	20	
Dichlorodifluoromethane	ug/L	<5.0	500	500	276	306	55	61	10-132	10	20	
Ethylbenzene	ug/L	<2.2	500	500	595	618	119	124	80-125	4	20	
Isopropylbenzene (Cumene)	ug/L	<3.9	500	500	627	650	125	130	70-130	4	20	
m&p-Xylene	ug/L	<4.7	1000	1000	1180	1210	118	121	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<12.5	500	500	431	441	86	88	51-145	2	20	
Methylene Chloride	ug/L	<5.8	500	500	577	612	115	122	73-140	6	20	
o-Xylene	ug/L	<2.6	500	500	562	582	112	116	70-130	3	20	
Styrene	ug/L	<4.7	500	500	587	598	117	120	70-130	2	20	
Tetrachloroethene	ug/L	747	500	500	1240	1260	99	102	70-130	1	20	
Toluene	ug/L	<1.7	500	500	533	551	107	110	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<10.9	500	500	603	625	121	125	73-148	4	20	
trans-1,3-Dichloropropene	ug/L	<43.7	500	500	480	465	96	93	70-130	3	20	
Trichloroethene	ug/L	60.7	500	500	662	705	120	129	70-130	6	20	
Trichlorofluoromethane	ug/L	<2.1	500	500	640	676	128	135	74-147	6	20	
Vinyl chloride	ug/L	<1.7	500	500	441	509	88	102	41-129	14	20	
Xylene (Total)	ug/L	<15.0	1500	1500	1740	1790	116	119	70-130	3	20	
4-Bromofluorobenzene (S)	%						100	101	70-130			
Dibromofluoromethane (S)	%						100	99	70-130			

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1961983 1961984

Parameter	Units	40197352004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						95	95	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

QC Batch: 337764 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197352006, 40197352007, 40197352008, 40197352009, 40197352010, 40197352011, 40197352012

METHOD BLANK: 1961989 Matrix: Water
Associated Lab Samples: 40197352006, 40197352007, 40197352008, 40197352009, 40197352010, 40197352011, 40197352012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/17/19 14:58	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/17/19 14:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/17/19 14:58	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/17/19 14:58	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	5.0	10/17/19 14:58	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/17/19 14:58	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/17/19 14:58	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/17/19 14:58	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/17/19 14:58	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/17/19 14:58	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/17/19 14:58	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/17/19 14:58	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/17/19 14:58	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/17/19 14:58	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/17/19 14:58	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/17/19 14:58	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/17/19 14:58	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/17/19 14:58	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/17/19 14:58	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/17/19 14:58	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/17/19 14:58	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/17/19 14:58	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/17/19 14:58	
2-Chlorotoluene	ug/L	<0.93	5.0	10/17/19 14:58	
2-Hexanone	ug/L	<2.5	8.2	10/17/19 14:58	
4-Chlorotoluene	ug/L	<0.76	2.5	10/17/19 14:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/17/19 14:58	
Acetone	ug/L	<2.7	20.0	10/17/19 14:58	
Benzene	ug/L	<0.25	1.0	10/17/19 14:58	
Bromobenzene	ug/L	<0.24	1.0	10/17/19 14:58	
Bromochloromethane	ug/L	<0.36	5.0	10/17/19 14:58	
Bromodichloromethane	ug/L	<0.36	1.2	10/17/19 14:58	
Bromoform	ug/L	<4.0	13.2	10/17/19 14:58	
Bromomethane	ug/L	<0.97	5.0	10/17/19 14:58	
Carbon disulfide	ug/L	<0.37	5.0	10/17/19 14:58	
Carbon tetrachloride	ug/L	<0.17	1.0	10/17/19 14:58	
Chlorobenzene	ug/L	<0.71	2.4	10/17/19 14:58	
Chloroethane	ug/L	<1.3	5.0	10/17/19 14:58	
Chloroform	ug/L	<1.3	5.0	10/17/19 14:58	
Chloromethane	ug/L	<2.2	7.3	10/17/19 14:58	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/17/19 14:58	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

METHOD BLANK: 1961989 Matrix: Water
Associated Lab Samples: 40197352006, 40197352007, 40197352008, 40197352009, 40197352010, 40197352011, 40197352012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/17/19 14:58	
Dibromochloromethane	ug/L	<2.6	8.7	10/17/19 14:58	
Dibromomethane	ug/L	<0.94	3.1	10/17/19 14:58	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/17/19 14:58	
Diisopropyl ether	ug/L	<1.9	6.3	10/17/19 14:58	
Ethylbenzene	ug/L	<0.22	1.0	10/17/19 14:58	
Hexachloro-1,3-butadiene	ug/L	1.7J	5.0	10/17/19 14:58	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/17/19 14:58	
m&p-Xylene	ug/L	<0.47	2.0	10/17/19 14:58	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/17/19 14:58	
Methylene Chloride	ug/L	<0.58	5.0	10/17/19 14:58	
n-Butylbenzene	ug/L	<0.71	2.4	10/17/19 14:58	
n-Hexane	ug/L	<1.7	5.7	10/17/19 14:58	
n-Propylbenzene	ug/L	<0.81	5.0	10/17/19 14:58	
Naphthalene	ug/L	<1.2	5.0	10/17/19 14:58	
o-Xylene	ug/L	<0.26	1.0	10/17/19 14:58	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/17/19 14:58	
sec-Butylbenzene	ug/L	<0.85	5.0	10/17/19 14:58	
Styrene	ug/L	<0.47	1.6	10/17/19 14:58	
tert-Butylbenzene	ug/L	<0.30	1.0	10/17/19 14:58	
Tetrachloroethene	ug/L	<0.33	1.1	10/17/19 14:58	
Tetrahydrofuran	ug/L	<2.3	20.0	10/17/19 14:58	
Toluene	ug/L	<0.17	5.0	10/17/19 14:58	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/17/19 14:58	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/17/19 14:58	
Trichloroethene	ug/L	<0.26	1.0	10/17/19 14:58	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/17/19 14:58	
Vinyl chloride	ug/L	<0.17	1.0	10/17/19 14:58	
Xylene (Total)	ug/L	<1.5	3.0	10/17/19 14:58	
4-Bromofluorobenzene (S)	%	94	70-130	10/17/19 14:58	
Dibromofluoromethane (S)	%	98	70-130	10/17/19 14:58	
Toluene-d8 (S)	%	100	70-130	10/17/19 14:58	

LABORATORY CONTROL SAMPLE: 1961990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	70-130	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	52.1	104	50-150	
1,1-Dichloroethane	ug/L	50	55.6	111	73-150	
1,1-Dichloroethene	ug/L	50	56.2	112	73-138	
1,2,4-Trichlorobenzene	ug/L	50	52.5	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.3	87	64-129	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

LABORATORY CONTROL SAMPLE: 1961990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dichloroethane	ug/L	50	51.9	104	75-140	
1,2-Dichloropropane	ug/L	50	52.1	104	73-135	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
Benzene	ug/L	50	52.9	106	70-130	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	45.9	92	68-129	
Bromomethane	ug/L	50	37.1	74	18-159	
Carbon disulfide	ug/L	50	51.9	104	69-132	
Carbon tetrachloride	ug/L	50	54.5	109	70-130	
Chlorobenzene	ug/L	50	51.8	104	70-130	
Chloroethane	ug/L	50	50.0	100	53-147	
Chloroform	ug/L	50	48.8	98	74-136	
Chloromethane	ug/L	50	39.6	79	29-115	
cis-1,2-Dichloroethene	ug/L	50	51.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	70-130	
Dibromochloromethane	ug/L	50	51.6	103	70-130	
Dichlorodifluoromethane	ug/L	50	34.1	68	10-130	
Ethylbenzene	ug/L	50	55.0	110	80-124	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	48.3	97	54-137	
Methylene Chloride	ug/L	50	52.5	105	73-138	
o-Xylene	ug/L	50	56.1	112	70-130	
Styrene	ug/L	50	51.2	102	70-130	
Tetrachloroethene	ug/L	50	53.9	108	70-130	
Toluene	ug/L	50	53.1	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	56.7	113	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	
Trichloroethene	ug/L	50	54.2	108	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	76-147	
Vinyl chloride	ug/L	50	45.8	92	51-120	
Xylene (Total)	ug/L	150	168	112	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1961991 1961992

Parameter	Units	40197352009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.0	56.6	106	113	70-130	7	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	46.1	49.7	92	99	70-130	8	20	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1961991 1961992

Parameter	Units	40197352009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,2-Trichloroethane	ug/L	<0.55	50	50	48.7	52.3	97	105	70-137	7	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	50	50	49.6	53.3	99	107	50-150	7	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	53.2	56.9	106	114	73-153	7	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	54.4	57.3	109	115	73-138	5	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.1	52.5	102	105	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	42.1	44.8	84	90	58-129	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.5	51.2	97	102	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.4	52.0	99	104	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	48.6	52.4	97	105	75-140	8	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	49.3	52.6	99	105	71-138	6	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.8	51.2	98	102	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.8	51.3	98	103	70-130	5	20	
Benzene	ug/L	<0.25	50	50	50.2	53.4	100	107	70-130	6	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.5	51.7	97	103	70-130	6	20	
Bromoform	ug/L	<4.0	50	50	42.5	45.2	85	90	68-129	6	20	
Bromomethane	ug/L	<0.97	50	50	37.8	42.4	76	85	15-170	12	20	
Carbon disulfide	ug/L	<0.37	50	50	49.4	53.0	99	106	66-145	7	20	
Carbon tetrachloride	ug/L	<0.17	50	50	52.1	55.6	104	111	70-130	6	20	
Chlorobenzene	ug/L	<0.71	50	50	49.0	52.0	98	104	70-130	6	20	
Chloroethane	ug/L	<1.3	50	50	46.0	51.2	92	102	51-148	11	20	
Chloroform	ug/L	<1.3	50	50	46.5	49.6	93	99	74-136	7	20	
Chloromethane	ug/L	<2.2	50	50	36.7	38.9	73	78	23-115	6	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.1	53.0	98	106	70-131	8	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.5	49.2	93	98	70-130	6	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.7	51.5	97	103	70-130	6	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	32.2	33.7	64	67	10-132	5	20	
Ethylbenzene	ug/L	<0.22	50	50	51.7	54.6	103	109	80-125	5	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	48.0	50.2	96	100	70-130	4	20	
m&p-Xylene	ug/L	<0.47	100	100	106	111	106	111	70-130	5	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.5	48.8	91	98	51-145	7	20	
Methylene Chloride	ug/L	<0.58	50	50	49.9	53.7	100	107	73-140	7	20	
o-Xylene	ug/L	<0.26	50	50	52.9	55.5	106	111	70-130	5	20	
Styrene	ug/L	<0.47	50	50	48.3	51.1	97	102	70-130	6	20	
Tetrachloroethene	ug/L	<0.33	50	50	50.8	53.3	102	107	70-130	5	20	
Toluene	ug/L	<0.17	50	50	50.3	53.3	101	107	80-131	6	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	54.0	57.5	108	115	73-148	6	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	46.4	48.7	93	97	70-130	5	20	
Trichloroethene	ug/L	<0.26	50	50	51.3	54.2	103	108	70-130	6	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	47.9	51.7	96	103	74-147	7	20	
Vinyl chloride	ug/L	<0.17	50	50	43.7	46.7	87	93	41-129	7	20	
Xylene (Total)	ug/L	<1.5	150	150	159	167	106	111	70-130	5	20	
4-Bromofluorobenzene (S)	%						100	101	70-130			
Dibromofluoromethane (S)	%						99	100	70-130			

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1961991 1961992

Parameter	Units	40197352009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						100	99	70-130			

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

QC Batch: 337792 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197352005

METHOD BLANK: 1962087 Matrix: Water
Associated Lab Samples: 40197352005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/17/19 15:43	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/17/19 15:43	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/17/19 15:43	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/17/19 15:43	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	5.0	10/17/19 15:43	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/17/19 15:43	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/17/19 15:43	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/17/19 15:43	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/17/19 15:43	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/17/19 15:43	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/17/19 15:43	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/17/19 15:43	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/17/19 15:43	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/17/19 15:43	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/17/19 15:43	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/17/19 15:43	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/17/19 15:43	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/17/19 15:43	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/17/19 15:43	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/17/19 15:43	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/17/19 15:43	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/17/19 15:43	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/17/19 15:43	
2-Chlorotoluene	ug/L	<0.93	5.0	10/17/19 15:43	
2-Hexanone	ug/L	<2.5	8.2	10/17/19 15:43	
4-Chlorotoluene	ug/L	<0.76	2.5	10/17/19 15:43	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/17/19 15:43	
Acetone	ug/L	<2.7	20.0	10/17/19 15:43	
Benzene	ug/L	<0.25	1.0	10/17/19 15:43	
Bromobenzene	ug/L	<0.24	1.0	10/17/19 15:43	
Bromochloromethane	ug/L	<0.36	5.0	10/17/19 15:43	
Bromodichloromethane	ug/L	<0.36	1.2	10/17/19 15:43	
Bromoform	ug/L	<4.0	13.2	10/17/19 15:43	
Bromomethane	ug/L	<0.97	5.0	10/17/19 15:43	
Carbon disulfide	ug/L	<0.37	5.0	10/17/19 15:43	
Carbon tetrachloride	ug/L	<0.17	1.0	10/17/19 15:43	
Chlorobenzene	ug/L	<0.71	2.4	10/17/19 15:43	
Chloroethane	ug/L	<1.3	5.0	10/17/19 15:43	
Chloroform	ug/L	<1.3	5.0	10/17/19 15:43	
Chloromethane	ug/L	<2.2	7.3	10/17/19 15:43	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/17/19 15:43	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

METHOD BLANK: 1962087 Matrix: Water
Associated Lab Samples: 40197352005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/17/19 15:43	
Dibromochloromethane	ug/L	<2.6	8.7	10/17/19 15:43	
Dibromomethane	ug/L	<0.94	3.1	10/17/19 15:43	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/17/19 15:43	
Diisopropyl ether	ug/L	<1.9	6.3	10/17/19 15:43	
Ethylbenzene	ug/L	<0.22	1.0	10/17/19 15:43	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/17/19 15:43	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/17/19 15:43	
m&p-Xylene	ug/L	<0.47	2.0	10/17/19 15:43	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/17/19 15:43	
Methylene Chloride	ug/L	<0.58	5.0	10/17/19 15:43	
n-Butylbenzene	ug/L	<0.71	2.4	10/17/19 15:43	
n-Hexane	ug/L	<1.7	5.7	10/17/19 15:43	
n-Propylbenzene	ug/L	<0.81	5.0	10/17/19 15:43	
Naphthalene	ug/L	<1.2	5.0	10/17/19 15:43	
o-Xylene	ug/L	<0.26	1.0	10/17/19 15:43	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/17/19 15:43	
sec-Butylbenzene	ug/L	<0.85	5.0	10/17/19 15:43	
Styrene	ug/L	<0.47	1.6	10/17/19 15:43	
tert-Butylbenzene	ug/L	<0.30	1.0	10/17/19 15:43	
Tetrachloroethene	ug/L	<0.33	1.1	10/17/19 15:43	
Tetrahydrofuran	ug/L	<2.3	20.0	10/17/19 15:43	
Toluene	ug/L	<0.17	5.0	10/17/19 15:43	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/17/19 15:43	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/17/19 15:43	
Trichloroethene	ug/L	<0.26	1.0	10/17/19 15:43	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/17/19 15:43	
Vinyl chloride	ug/L	<0.17	1.0	10/17/19 15:43	
Xylene (Total)	ug/L	<1.5	3.0	10/17/19 15:43	
4-Bromofluorobenzene (S)	%	98	70-130	10/17/19 15:43	
Dibromofluoromethane (S)	%	100	70-130	10/17/19 15:43	
Toluene-d8 (S)	%	102	70-130	10/17/19 15:43	

LABORATORY CONTROL SAMPLE: 1962088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.6	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.6	99	70-130	
1,1,2-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.6	89	50-150	
1,1-Dichloroethane	ug/L	50	53.4	107	73-150	
1,1-Dichloroethene	ug/L	50	48.5	97	73-138	
1,2,4-Trichlorobenzene	ug/L	50	44.4	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.3	91	64-129	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

LABORATORY CONTROL SAMPLE: 1962088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	55.9	112	75-140	
1,2-Dichloropropane	ug/L	50	51.5	103	73-135	
1,3-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,4-Dichlorobenzene	ug/L	50	48.7	97	70-130	
Benzene	ug/L	50	55.9	112	70-130	
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	45.2	90	68-129	
Bromomethane	ug/L	50	26.2	52	18-159	
Carbon disulfide	ug/L	50	47.4	95	69-132	
Carbon tetrachloride	ug/L	50	50.1	100	70-130	
Chlorobenzene	ug/L	50	50.8	102	70-130	
Chloroethane	ug/L	50	47.6	95	53-147	
Chloroform	ug/L	50	53.7	107	74-136	
Chloromethane	ug/L	50	36.7	73	29-115	
cis-1,2-Dichloroethene	ug/L	50	51.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Dibromochloromethane	ug/L	50	53.2	106	70-130	
Dichlorodifluoromethane	ug/L	50	33.9	68	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	41.3	83	54-137	
Methylene Chloride	ug/L	50	47.4	95	73-138	
o-Xylene	ug/L	50	52.2	104	70-130	
Styrene	ug/L	50	46.4	93	70-130	
Tetrachloroethene	ug/L	50	45.8	92	70-130	
Toluene	ug/L	50	52.5	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	70-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	43.8	88	76-147	
Vinyl chloride	ug/L	50	45.9	92	51-120	
Xylene (Total)	ug/L	150	156	104	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962385 1962386

Parameter	Units	40197390004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	58.5	58.6	117	117	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.4	49.7	103	99	70-130	3	20	

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(920)469-2436

QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962385 1962386

Parameter	Units	40197390004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.7	52.2	107	104	70-137	3	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	50	50	44.6	43.0	89	86	50-150	4	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	54.5	52.9	109	105	73-153	3	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	49.3	48.0	99	96	73-138	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.0	46.8	96	94	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.6	47.6	95	95	58-129	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.5	51.2	105	102	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	52.9	51.3	106	103	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	57.5	56.0	115	112	75-140	3	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.4	52.2	107	104	71-138	2	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.0	50.2	104	100	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.2	49.2	102	98	70-130	4	20	
Benzene	ug/L	<0.25	50	50	56.9	55.8	114	112	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	54.2	52.0	108	104	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	46.4	46.2	93	92	68-129	0	20	
Bromomethane	ug/L	<0.97	50	50	25.8	26.8	52	54	15-170	4	20	
Carbon disulfide	ug/L	<0.37	50	50	47.9	46.6	96	93	66-145	3	20	
Carbon tetrachloride	ug/L	<0.17	50	50	52.1	51.6	104	103	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	53.3	51.9	107	104	70-130	3	20	
Chloroethane	ug/L	<1.3	50	50	48.6	47.7	97	95	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	54.0	52.9	108	106	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	35.9	35.3	72	71	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	54.0	52.7	108	105	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	55.0	52.8	110	106	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	55.4	54.0	111	108	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	32.4	32.1	65	64	10-132	1	20	
Ethylbenzene	ug/L	<0.22	50	50	56.3	54.8	113	110	80-125	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	54.4	52.8	109	106	70-130	3	20	
m&p-Xylene	ug/L	<0.47	100	100	110	106	110	106	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	42.5	41.5	85	83	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	48.0	47.2	96	94	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	54.6	52.8	109	106	70-130	3	20	
Styrene	ug/L	<0.47	50	50	48.5	46.8	97	94	70-130	4	20	
Tetrachloroethene	ug/L	<0.33	50	50	48.0	47.5	96	95	70-130	1	20	
Toluene	ug/L	<0.17	50	50	54.8	53.4	110	107	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	49.0	47.6	98	95	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	49.8	49.6	100	99	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	55.8	53.6	112	107	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	44.8	44.0	90	88	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	45.6	44.4	91	89	41-129	3	20	
Xylene (Total)	ug/L	<1.5	150	150	165	159	110	106	70-130	3	20	
4-Bromofluorobenzene (S)	%						107	109	70-130			
Dibromofluoromethane (S)	%						101	103	70-130			

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1962385 1962386

Parameter	Units	40197390004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

QC Batch: 337915 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 40197352001, 40197352002, 40197352005

METHOD BLANK: 1962665 Matrix: Water
Associated Lab Samples: 40197352001, 40197352002, 40197352005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	10/17/19 16:53	

LABORATORY CONTROL SAMPLE: 1962666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	600	536	89	80-120	

SAMPLE DUPLICATE: 1962667

Parameter	Units	40197207001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	678	674	1	10	

SAMPLE DUPLICATE: 1962668

Parameter	Units	40197352001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	944	926	2	10	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

QC Batch: 338232 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 40197352007, 40197352010

METHOD BLANK: 1964447 Matrix: Water
Associated Lab Samples: 40197352007, 40197352010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	10/21/19 18:11	

LABORATORY CONTROL SAMPLE: 1964448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	600	526	88	80-120	

SAMPLE DUPLICATE: 1964449

Parameter	Units	40197371001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	578	580	0	10	

SAMPLE DUPLICATE: 1964450

Parameter	Units	40197444001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	208	224	7	10	

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QUALITY CONTROL DATA

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

QC Batch: 337800 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40197352001, 40197352002, 40197352005, 40197352007, 40197352010

METHOD BLANK: 1962132 Matrix: Water
Associated Lab Samples: 40197352001, 40197352002, 40197352005, 40197352007, 40197352010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	10/17/19 09:44	

LABORATORY CONTROL SAMPLE: 1962133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	104	104	80-120	

SAMPLE DUPLICATE: 1962134

Parameter	Units	35504295001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	11000	10800	1	10	

SAMPLE DUPLICATE: 1962135

Parameter	Units	40197352001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	<0.95	<0.95		10	

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QUALIFIERS

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A194202 MADISON KIPP CORP-Revised Report
Pace Project No.: 40197352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40197352002	**MW-6S**	EPA 8260	337762		
40197352003	**MW-6D**	EPA 8260	337762		
40197352004	**MW-17**	EPA 8260	337762		
40197352005	**FB-01**	EPA 8260	337792		
40197352006	**MW-3S**	EPA 8260	337764		
40197352007	**MW-3D**	EPA 8260	337764		
40197352008	**MW-3D2**	EPA 8260	337764		
40197352009	**MW-3D3**	EPA 8260	337764		
40197352010	**DUP-02**	EPA 8260	337764		
40197352011	**DUP-03**	EPA 8260	337764		
40197352012	**TRIP BLANK (2)**	EPA 8260	337764		
40197352001	**MW-4D**	SM 2540C	337915		
40197352002	**MW-6S**	SM 2540C	337915		
40197352005	**FB-01**	SM 2540C	337915		
40197352007	**MW-3D**	SM 2540C	338232		
40197352010	**DUP-02**	SM 2540C	338232		
40197352001	**MW-4D**	SM 2540D	337800		
40197352002	**MW-6S**	SM 2540D	337800		
40197352005	**FB-01**	SM 2540D	337800		
40197352007	**MW-3D**	SM 2540D	337800		
40197352010	**DUP-02**	SM 2540D	337800		

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SUBCONTRACT ORDER

Pace Analytical - Madison

A194202

40197352

SENDING LABORATORY:

Pace Analytical - Madison
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal
_____ Rush

Project Name: Madison Kipp Corporation - Madison, WI

			Laboratory ID	Comments
Lab ID: A194202-01	**Water**	**Sampled: 10/11/2019 11:30**	001	
2540D - Suspended Solids				
Subcontracted Analysis - Pace				Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_1000mL Plastic Cool t 14_250mL Plastic Cool to 14_250mL Plastic Cool to				
Lab ID: A194202-02	**Water**	**Sampled: 10/11/2019 14:31**	002	
2540D - Suspended Solids				
8260 WI Full List				Report to MDL-Report total xylenes
Subcontracted Analysis - Pace				Dissolved Solids, Total
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 14_1000mL Plastic Cool t				
Lab ID: A194202-03	**Water**	**Sampled: 10/11/2019 15:26**	003	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
Lab ID: A194202-04	**Water**	**Sampled: 10/11/2019 14:43**	004	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				

Released By	Date	Received By	Date
[signature]	10-15-19 1600		
CS Logistics	10/16/19 905	Alan Pace	10/16/19 905
Released By	Date	Received By	Date

40197352

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SUBCONTRACT ORDER

Pace Analytical - Madison

A194202

40197352

			Laboratory ID	Comments
Lab ID: A194202-05	**Water**	**Sampled: 10/11/2019 16:10**	005	
2540D - Suspended Solids				
8260 WI Full List				Report to MDL-Report total xylenes
Subcontracted Analysis - Pace				Dissolved Solids, Total
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
Lab ID: A194202-06	**Water**	**Sampled: 10/14/2019 15:03**	006	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
Lab ID: A194202-07	**Water**	**Sampled: 10/14/2019 14:00**	007	
2540D - Suspended Solids				
8260 WI Full List				Report to MDL-Report total xylenes
Subcontracted Analysis - Pace				Dissolved Solids, Total
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
Lab ID: A194202-08	**Water**	**Sampled: 10/14/2019 14:17**	008	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
Lab ID: A194202-09	**Water**	**Sampled: 10/14/2019 12:16**	009	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
Lab ID: A194202-10	**Water**	**Sampled: 10/14/2019 00:00**	010	
2540D - Suspended Solids				
8260 WI Full List				Report to MDL-Report total xylenes
Subcontracted Analysis - Pace				Dissolved Solids, Total
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				

Released By	Date	Received By	Date
Jessica Cooper	10-15-19 1600		
CS Logistics	10/16/19 905	Alan Pace	10/16/19 905

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SUBCONTRACT ORDER

Pace Analytical - Madison

A194202

40197352

			Laboratory ID	Comments
Lab ID: A194202-11	**Water**	**Sampled: 10/14/2019 00:00**	011	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
Lab ID: A194202-12	**Water**	**Sampled: 10/11/2019 00:00**	012	
8260 WI Full List				Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-]				

013

Trip Blank

Released By	Date	Received By	Date
[signature]	10-15-19		
CS Logistics	10/16/19 905	Alan Pace	10/16/19 905
Released By	Date	Received By	Date

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

Sample Preservation Receipt Form

Client Name: Pace Madison Project # 40197352

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

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001								2			2							3															2.5 / 5 / 10
002								1			1							3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		6															2.5 / 5 / 10
005								1			1							3															2.5 / 5 / 10
006																		3	10/16/19														2.5 / 5 / 10
007								1			1							3															2.5 / 5 / 10
008																		3	AS														2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010								1			1							3															2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		1															2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018							10/16/19																										2.5 / 5 / 10
019																																	2.5 / 5 / 10
020							AS																										2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Page 84 of 85 A194202 FINAL 11 18 2019 1509

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40197352

40197352

Client Name: Pace Madison

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

Tracking #: 13797

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

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

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

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

Cooler Temperature Uncorr: R o T Corr:

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

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

Person examining contents:
Date: 10/16/19
Initials: AS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☑N/A	4. IRw o 10/16/19 AS
Samples Arrived within Hold Time:	☑Yes ☐No 10/16/19	5.
- VOA Samples frozen upon receipt	☐Yes ☐No AS	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☐Yes ☐No ☑N/A	
-Pace IR Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: 10/16/19 AS	☑Yes ☑No ☐N/A	12. Samples do not list time
-Includes date/time/ID/Analysis Matrix: W		Samples do not share CoC with IR 10/16/19 AS
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: Date/Time:

Comments/ Resolution: Lab added trip Blank in shipment to CoC 10/16/19 AS
MW-65 = 002
MW-17 = 004

Project Manager Review: AL for DM **Date:** 10/16/19

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

November 18, 2019

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717

RE: Madison Kipp Corporation - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/16/2019.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A194210-01	Water	10/16/2019	10/16/2019
MW-2D	A194210-02	Water	10/16/2019	10/16/2019
MW-9D	A194210-03	Water	10/16/2019	10/16/2019
MW-9D2	A194210-04	Water	10/16/2019	10/16/2019
MW-11S	A194210-05	Water	10/15/2019	10/16/2019
MW-24	A194210-06	Water	10/15/2019	10/16/2019
MW-28	A194210-07	Water	10/16/2019	10/16/2019
MW-29S	A194210-08	Water	10/15/2019	10/16/2019
MW-29D	A194210-09	Water	10/15/2019	10/16/2019
DUP-04	A194210-10	Water	10/15/2019	10/16/2019
DUP-05	A194210-11	Water	10/16/2019	10/16/2019
DUP-06	A194210-12	Water	10/16/2019	10/16/2019
Trip Blank (3)	A194210-13	Water	10/16/2019	10/16/2019

CASE NARRATIVE

Sample Receipt Information:
13 samples were received on 10/16/2019. Samples were received at 3.6 degrees Celsius. Samples were received in acceptable condition, with the exception of the label discrepancies noted below.

Sample A194210-03 had a discrepancy between the collection date on the chain of custody (COC) and the collection date on the container. Per the client, the COC collection date is correct.

VOC, TDS and TSS analysis was subcontracted to Pace Analytical in Green Bay, WI. Please see their appended report for quality control results.

Please see the COC document at the end of this report for additional information.

Continuing Calibration Verification (CCV):
CCV indicates a potential high bias for PCB-1016, PCB-1232, PCB-1242, PCB-1248 and PCB-1260 for samples A194210-05 through A194210-10. Samples were less than the reporting limit for these analytes so no further action is required.

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-1

A194210-01 (Water)

Date Sampled
10/16/2019 12:02

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
cis-1,2-Dichloroethene	**7.1**	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-1

A194210-01 (Water)

Date Sampled
10/16/2019 12:02

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Tetrachloroethene	**5.8**	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Trichloroethene	**3.9**	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 09:55	EPA 8260	

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2525 Advance Road
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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-2D

A194210-02 (Water)

Date Sampled
10/16/2019 13:41

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-2D

A194210-02 (Water)

Date Sampled
10/16/2019 13:41

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Tetrachloroethene	**10.8**	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 10:17	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-9D

A194210-03 (Water)

Date Sampled
10/16/2019 15:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-9D

A194210-03 (Water)

Date Sampled
10/16/2019 15:30

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 10:39	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-9D2

A194210-04 (Water)

Date Sampled
10/16/2019 14:42

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
cis-1,2-Dichloroethene	**50.7**	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-9D2

A194210-04 (Water)

Date Sampled
10/16/2019 14:42

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Dichlorodifluoromethane	**0.60**	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	J
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Methyl-tert-butyl ether	**47.3**	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Tetrachloroethene	**71.1**	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Trichloroethene	**19.9**	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	
Vinyl chloride	**0.95**	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	J
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 11:01	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-11S

A194210-05 (Water)

Date Sampled
10/15/2019 10:55

Pace Analytical - Madison

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A910298**		
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 01:24	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*89.7 %*	*68.8-135*		*10/30/2019*	*11/18/2019 01:24*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*107 %*	*82.2-139*		*10/30/2019*	*11/18/2019 01:24*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C							**Preparation Batch:WET 36939**		
Total Dissolved Solids	**1370**	8.7	20.0	mg/L	1	10/22/2019	10/22/2019 17:47	SM 2540C	
SM 2540D							**Preparation Batch:WET 36907**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/22/2019	10/22/2019 12:17	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-24

A194210-06 (Water)

Date Sampled
10/15/2019 13:01

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 01:49	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*98.8 %*	*68.8-135*		*10/30/2019*	*11/18/2019 01:49*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*115 %*	*82.2-139*		*10/30/2019*	*11/18/2019 01:49*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

SM 2540C — **Preparation Batch:WET 36939**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Dissolved Solids	**2150**	8.7	20.0	mg/L	1	10/22/2019	10/22/2019 17:47	SM 2540C	

SM 2540D — **Preparation Batch:WET 36907**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Suspended Solids	**3.0**	0.95	2.0	mg/L	1	10/22/2019	10/22/2019 12:17	SM 2540D	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-28

A194210-07 (Water)

Date Sampled
10/16/2019 10:23

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 02:14	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*92.8 %*	*68.8-135*		*10/30/2019*	*11/18/2019 02:14*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*107 %*	*82.2-139*		*10/30/2019*	*11/18/2019 02:14*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	**0.50**	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	J
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-28

A194210-07 (Water)

Date Sampled
10/16/2019 10:23

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Tetrachloroethene	**1140**	6.5	21.8	ug/L	20	10/22/2019	10/22/2019 12:09	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Trichloroethene	**2.9**	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 11:24	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-28

A194210-07 (Water)

Date Sampled
10/16/2019 10:23

Pace Analytical-Green Bay, WI

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
SM 2540C							**Preparation Batch:WET 36939**		
Total Dissolved Solids	**1180**	8.7	20.0	mg/L	1	10/22/2019	10/22/2019 17:47	SM 2540C	
SM 2540D							**Preparation Batch:WET 36907**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/22/2019	10/22/2019 12:17	SM 2540D	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

MW-29S

A194210-08 (Water)

Date Sampled
10/15/2019 15:32

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch:A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 02:39	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*101 %*	*68.8-135*		*10/30/2019*	*11/18/2019 02:39*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*112 %*	*82.2-139*		*10/30/2019*	*11/18/2019 02:39*	*EPA 8082A*	

Pace Analytical-Green Bay, WI

SM 2540C — **Preparation Batch:WET 36939**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Dissolved Solids	**720**	8.7	20.0	mg/L	1	10/22/2019	10/22/2019 17:48	SM 2540C	

SM 2540D — **Preparation Batch:WET 36907**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/22/2019	10/22/2019 12:17	SM 2540D	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

MW-29D

A194210-09 (Water)

Date Sampled
10/15/2019 16:14

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A910298**		
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 03:04	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*102 %*	*68.8-135*		*10/30/2019*	*11/18/2019 03:04*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*107 %*	*82.2-139*		*10/30/2019*	*11/18/2019 03:04*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
SM 2540C							**Preparation Batch:WET 36939**		
Total Dissolved Solids	**626**	8.7	20.0	mg/L	1	10/22/2019	10/22/2019 17:48	SM 2540C	
SM 2540D							**Preparation Batch:WET 36907**		
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/22/2019	10/22/2019 12:17	SM 2540D	

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Madison WI, 53717	Project Manager: Andrew Stehn

DUP-04

A194210-10 (Water)

Date Sampled
10/15/2019 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pace Analytical - Madison									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A910298**			
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/18/2019 03:29	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*92.0 %*	*68.8-135*		*10/30/2019*	*11/18/2019 03:29*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*106 %*	*82.2-139*		*10/30/2019*	*11/18/2019 03:29*	*EPA 8082A*	
Pace Analytical-Green Bay, WI									
SM 2540C						**Preparation Batch:WET 36939**			
Total Dissolved Solids	**672**	8.7	20.0	mg/L	1	10/22/2019	10/22/2019 17:48	SM 2540C	
SM 2540D						**Preparation Batch:WET 36907**			
Total Suspended Solids	ND	0.95	2.0	mg/L	1	10/22/2019	10/22/2019 12:17	SM 2540D	

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Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

DUP-05

A194210-11 (Water)

Date Sampled
10/16/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
cis-1,2-Dichloroethene	**6.8**	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	

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708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-05

A194210-11 (Water)

Date Sampled
10/16/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Tetrachloroethene	**5.5**	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Trichloroethene	**3.7**	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 12:54	EPA 8260	

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Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

DUP-06

A194210-12 (Water)

Date Sampled
10/16/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

DUP-06

A194210-12 (Water)

Date Sampled
10/16/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 13:16	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Trip Blank (3)

A194210-13 (Water)

Date Sampled
10/16/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1,1-Trichloroethane	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1,2,2-Tetrachloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1,2-Trichloroethane	ND	0.55	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1,2-Trichlorotrifluoroethane	ND	0.54	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1-Dichloroethane	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1-Dichloroethene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,1-Dichloropropene	ND	0.54	1.8	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2,3-Trichlorobenzene	ND	0.63	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2,3-Trichloropropane	ND	0.59	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2,4-Trichlorobenzene	ND	0.95	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2,4-Trimethylbenzene	ND	0.84	2.8	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2-Dibromo-3-chloropropane	ND	1.8	5.9	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2-Dibromoethane (EDB)	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2-Dichlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2-Dichloroethane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,2-Dichloropropane	ND	0.28	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,3,5-Trimethylbenzene	ND	0.87	2.9	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,3-Dichlorobenzene	ND	0.63	2.1	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,3-Dichloropropane	ND	0.83	2.8	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
1,4-Dichlorobenzene	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
2,2-Dichloropropane	ND	2.3	7.6	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
2-Butanone (MEK)	ND	2.9	20.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
2-Chlorotoluene	ND	0.93	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
2-Hexanone	ND	2.5	8.2	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
4-Chlorotoluene	ND	0.76	2.5	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
4-Methyl-2-pentanone (MIBK)	ND	1.5	5.1	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Acetone	ND	2.7	20.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Benzene	ND	0.25	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Bromobenzene	ND	0.24	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Bromochloromethane	ND	0.36	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Bromodichloromethane	ND	0.36	1.2	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Bromoform	ND	4.0	13.2	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Bromomethane	ND	0.97	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Carbon disulfide	ND	0.37	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Carbon tetrachloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Chlorobenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Chloroethane	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Chloroform	ND	1.3	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Chloromethane	ND	2.2	7.3	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
cis-1,2-Dichloroethene	ND	0.27	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
cis-1,3-Dichloropropene	ND	3.6	12.1	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Dibromochloromethane	ND	2.6	8.7	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	

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TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison WI, 53717

Project: Madison Kipp Corporation - Madison, WI
Project Number: 323372 Ph. 2
Project Manager: Andrew Stehn

Trip Blank (3)

A194210-13 (Water)

Date Sampled
10/16/2019 00:00

Pace Analytical-Green Bay, WI

EPA 8260 — **Preparation Batch:MSV 49585**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Dibromomethane	ND	0.94	3.1	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Dichlorodifluoromethane	ND	0.50	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Diisopropyl ether	ND	1.9	6.3	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Ethylbenzene	ND	0.22	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Hexachloro-1,3-butadiene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Isopropylbenzene (Cumene)	ND	0.39	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
m&p-Xylene	ND	0.47	2.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Methylene Chloride	ND	0.58	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Methyl-tert-butyl ether	ND	1.2	4.2	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Naphthalene	ND	1.2	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
n-Butylbenzene	ND	0.71	2.4	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
n-Hexane	ND	1.7	5.7	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
n-Propylbenzene	ND	0.81	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
o-Xylene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
p-Isopropyltoluene	ND	0.80	2.7	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
sec-Butylbenzene	ND	0.85	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Styrene	ND	0.47	1.6	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
tert-Butylbenzene	ND	0.30	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Tetrachloroethene	ND	0.33	1.1	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Tetrahydrofuran	ND	2.3	20.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Toluene	ND	0.17	5.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
trans-1,2-Dichloroethene	ND	1.1	3.6	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
trans-1,3-Dichloropropene	ND	4.4	14.6	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Trichloroethene	ND	0.26	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Trichlorofluoromethane	ND	0.21	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Vinyl chloride	ND	0.17	1.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	
Xylene (Total)	ND	1.5	3.0	ug/L	1	10/22/2019	10/22/2019 06:55	EPA 8260	

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A910298 - EPA 3511										
Blank (A910298-BLK1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 18:42						
PCB-1016	ND	0.13	ug/L							
PCB-1221	ND	0.25	ug/L							
PCB-1232	ND	0.13	ug/L							
PCB-1242	ND	0.13	ug/L							
PCB-1248	ND	0.13	ug/L							
PCB-1254	ND	0.13	ug/L							
PCB-1260	ND	0.13	ug/L							
Total PCBs	ND	0.25	ug/L							
Surrogate: Tetrachloro-meta-xylene	*0.647*		*ug/L*	*0.7500*		*86.2*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.720*		*ug/L*	*0.7500*		*96.0*	*82.2-139*			
LCS (A910298-BS1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 19:07						
PCB-1016	15.1	0.13	ug/L	12.50		121	69.9-149			
PCB-1260	14.5	0.13	ug/L	12.50		116	82.2-144			
Surrogate: Tetrachloro-meta-xylene	*0.727*		*ug/L*	*0.7500*		*96.9*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.823*		*ug/L*	*0.7500*		*110*	*82.2-139*			
Matrix Spike (A910298-MS1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 03:54						
PCB-1016	16.4	0.12	ug/L	12.47	ND	131	60-140			
PCB-1260	16.3	0.12	ug/L	12.47	ND	131	60-140			
Surrogate: Tetrachloro-meta-xylene	*0.782*		*ug/L*	*0.7481*		*105*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.870*		*ug/L*	*0.7481*		*116*	*82.2-139*			
Matrix Spike Dup (A910298-MSD1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 04:20						
PCB-1016	14.9	0.13	ug/L	12.50	ND	119	60-140	9.37	20	
PCB-1260	15.2	0.13	ug/L	12.50	ND	122	60-140	6.76	20	
Surrogate: Tetrachloro-meta-xylene	*0.710*		*ug/L*	*0.7500*		*94.7*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.800*		*ug/L*	*0.7500*		*107*	*82.2-139*			

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TRC Environmental Corporation, Inc.	Project: Madison Kipp Corporation - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372 Ph. 2
Madison WI, 53717	Project Manager: Andrew Stehn

Notes and Definitions

J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
ND	Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Pace Analytical - ECCS Division
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CHAIN OF CUSTODY

No. 11732 Page: 1 of: 2

Lab Work Order #: A194210

Project Number: 323372 Ph.2 PO Number: 132937
Project Name: Madison Kipp Corporation/TRC
Project Location (City, State): Madison, WI
Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga

Report To: Andy Stehn
Company:
Address 1:
Address 2:
E-mail Address:
Invoice To:
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	Preservation Codes: B	A	A	A			Analyses Requested: VOC	PCB;	TSS	TDS			Comments	Lab ID	Lab Receipt Time
MW-1	10/16/19	1202	GW	3							X							01	
MW-2D	10/16/19	1341	GW	3							X							02	
MW-9D	10/16/19	1530	GW	3							X						date on vials 10/15/19	03	
MW-9D2	10/16/19	1442	GW	3							X							04	
MW-11S	10/15/19	1055	GW	4								X	X	X				05	
MW-24	10/15/19	1901	GW	4								X	X	X				06	
MW-28	10/16/19	1023	GW	7							X	X	X	X				07	
MW-29S	10/15/19	1532	GW	4								X	X	X				08	
MW-29D	10/15/19	1614	GW	4								X	X	X				09	
DUP-04	10/15/19	-	GW	4								X	X	X				10	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Wesley Braga	10/16/19	1615	[signature]	10-16-19	1615
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk-In
Receipt Temp: on ice 3.6°C
Thermometer #/ Exp. Date: 160142274 12-2019
Temp Blank: ☒ Y ☐ N

Rev. 12/15

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Pace Analytical - ECCS Division
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 11733

Page: 2 of: 2

Lab Work Order #: A194210

Project Number: 323372 Ph.2 PO Number: 132937
Project Name: Madison Kipp Corporation
Project Location (City, State): Madison, WI
Turn Around (check one): ☒ Normal ☐ Rush
If Rush, Report Due Date:
Sampled By (Print): Wesley Braga

Preservation Codes
Analyses Requested

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOCs						Comments	Lab ID	Lab Receipt Time
					B								
DUP-05	10/16/19	-	GW	3	X							11	
DUP-06	10/16/19	-	GW	3	X							12	
Trip Blank	-	-	W	1	X							13	

Report To:
Company:
Address 1:
Address 2:
E-mail Address:
Invoice To:
Company:
Address 1:
Address 2:

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)
Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: Wesley Braga Date: 10/16/19 Time: 1615 Received By: [signature] Date: 10-16-19 Time: 1615
Relinquished By: Date: Time: Received By: Date: Time:

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk In
Receipt Temp: On ice 3.6°C
Thermometer #/ Exp. Date: 160142274 12-20-19
Temp Blank: ☒ Y ☐ N

Rev. 12/15

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

October 29, 2019

Jessica Esser
Pace Analytical Madison
2525 Advance Road
Madison, WI 53718

RE: Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40197574001	**MW-1**	Water	10/16/19 12:02	10/18/19 08:55
40197574002	**MW-2D**	Water	10/16/19 13:41	10/18/19 08:55
40197574003	**MW-9D**	Water	10/16/19 15:30	10/18/19 08:55
40197574004	**MW-9D2**	Water	10/16/19 14:42	10/18/19 08:55
40197574005	**MW-11S**	Water	10/15/19 10:55	10/18/19 08:55
40197574006	**MW-24**	Water	10/15/19 13:01	10/18/19 08:55
40197574007	**MW-28**	Water	10/16/19 10:23	10/18/19 08:55
40197574008	**MW-29S**	Water	10/15/19 15:32	10/18/19 08:55
40197574009	**MW-29D**	Water	10/15/19 16:14	10/18/19 08:55
40197574010	**DUP-04**	Water	10/15/19 00:00	10/18/19 08:55
40197574011	**DUP-05**	Water	10/15/19 00:00	10/18/19 08:55
40197574012	**DUP-06**	Water	10/15/19 00:00	10/18/19 08:55
40197574013	**TRIP BLANK (3)**	Water	10/15/19 00:00	10/18/19 08:55

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SAMPLE ANALYTE COUNT

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40197574001	**MW-1**	EPA 8260	HNW	73
40197574002	**MW-2D**	EPA 8260	HNW	73
40197574003	**MW-9D**	EPA 8260	HNW	73
40197574004	**MW-9D2**	EPA 8260	HNW	73
40197574005	**MW-11S**	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197574006	**MW-24**	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197574007	**MW-28**	EPA 8260	HNW	73
		SM 2540C	TMK	1
		SM 2540D	JXM	1
40197574008	**MW-29S**	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197574009	**MW-29D**	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197574010	**DUP-04**	SM 2540C	TMK	1
		SM 2540D	JXM	1
40197574011	**DUP-05**	EPA 8260	HNW	73
40197574012	**DUP-06**	EPA 8260	HNW	73
40197574013	**TRIP BLANK (3)**	EPA 8260	HNW	73

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-1 **Lab ID: 40197574001** Collected: 10/16/19 12:02 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 09:55	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 09:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 09:55	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 09:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 09:55	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 09:55	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 09:55	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 09:55	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 09:55	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 09:55	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 09:55	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 09:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 09:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 09:55	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 09:55	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 09:55	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 09:55	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 09:55	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 09:55	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 09:55	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 09:55	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 09:55	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 09:55	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 09:55	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 09:55	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 09:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 09:55	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 09:55	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 09:55	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 09:55	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 09:55	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 09:55	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 09:55	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 09:55	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 09:55	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 09:55	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 09:55	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 09:55	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 09:55	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 09:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 09:55	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 09:55	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 09:55	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 09:55	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 09:55	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 09:55	87-68-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-1 **Lab ID: 40197574001** Collected: 10/16/19 12:02 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 09:55	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 09:55	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 09:55	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 09:55	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 09:55	100-42-5	
Tetrachloroethene	**5.8**	ug/L	1.1	0.33	1		10/22/19 09:55	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 09:55	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 09:55	108-88-3	
Trichloroethene	**3.9**	ug/L	1.0	0.26	1		10/22/19 09:55	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 09:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 09:55	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 09:55	1330-20-7	
cis-1,2-Dichloroethene	**7.1**	ug/L	1.0	0.27	1		10/22/19 09:55	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 09:55	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 09:55	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 09:55	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 09:55	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 09:55	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 09:55	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 09:55	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 09:55	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 09:55	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 09:55	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 09:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/22/19 09:55	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/22/19 09:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/22/19 09:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-2D **Lab ID: 40197574002** Collected: 10/16/19 13:41 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 10:17	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 10:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 10:17	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 10:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 10:17	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 10:17	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 10:17	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 10:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 10:17	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 10:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 10:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 10:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 10:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 10:17	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 10:17	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 10:17	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 10:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 10:17	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 10:17	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 10:17	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 10:17	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 10:17	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 10:17	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 10:17	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 10:17	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 10:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 10:17	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 10:17	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 10:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 10:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 10:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 10:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 10:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 10:17	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 10:17	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 10:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 10:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 10:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 10:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 10:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 10:17	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 10:17	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 10:17	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 10:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 10:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 10:17	87-68-3	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-2D **Lab ID: 40197574002** Collected: 10/16/19 13:41 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 10:17	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 10:17	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 10:17	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 10:17	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 10:17	100-42-5	
Tetrachloroethene	**10.8**	ug/L	1.1	0.33	1		10/22/19 10:17	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 10:17	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 10:17	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 10:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 10:17	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 10:17	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 10:17	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/22/19 10:17	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 10:17	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 10:17	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 10:17	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 10:17	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 10:17	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 10:17	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 10:17	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 10:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 10:17	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 10:17	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 10:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/22/19 10:17	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/22/19 10:17	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/22/19 10:17	2037-26-5	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-9D **Lab ID: 40197574003** Collected: 10/16/19 15:30 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 10:39	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 10:39	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 10:39	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 10:39	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 10:39	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 10:39	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 10:39	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 10:39	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 10:39	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 10:39	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 10:39	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 10:39	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 10:39	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 10:39	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 10:39	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 10:39	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 10:39	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 10:39	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 10:39	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 10:39	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 10:39	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 10:39	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 10:39	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 10:39	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 10:39	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 10:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 10:39	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 10:39	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 10:39	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 10:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 10:39	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 10:39	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 10:39	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 10:39	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 10:39	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 10:39	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 10:39	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 10:39	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 10:39	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 10:39	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 10:39	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 10:39	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 10:39	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 10:39	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 10:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 10:39	87-68-3	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-9D **Lab ID: 40197574003** Collected: 10/16/19 15:30 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 10:39	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 10:39	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 10:39	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 10:39	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 10:39	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/22/19 10:39	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 10:39	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 10:39	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 10:39	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 10:39	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 10:39	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 10:39	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/22/19 10:39	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 10:39	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 10:39	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 10:39	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 10:39	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 10:39	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 10:39	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 10:39	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 10:39	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 10:39	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 10:39	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 10:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/22/19 10:39	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/22/19 10:39	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/22/19 10:39	2037-26-5	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-9D2 **Lab ID: 40197574004** Collected: 10/16/19 14:42 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 11:01	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 11:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 11:01	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 11:01	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 11:01	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 11:01	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 11:01	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 11:01	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 11:01	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 11:01	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 11:01	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 11:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 11:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 11:01	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 11:01	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 11:01	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 11:01	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 11:01	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 11:01	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 11:01	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 11:01	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 11:01	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 11:01	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 11:01	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 11:01	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 11:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 11:01	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 11:01	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 11:01	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 11:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 11:01	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 11:01	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 11:01	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 11:01	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 11:01	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 11:01	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 11:01	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 11:01	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 11:01	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 11:01	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 11:01	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 11:01	74-95-3	
Dichlorodifluoromethane	**0.60J**	ug/L	5.0	0.50	1		10/22/19 11:01	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 11:01	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 11:01	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 11:01	87-68-3	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-9D2 **Lab ID: 40197574004** Collected: 10/16/19 14:42 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 11:01	98-82-8	
Methyl-tert-butyl ether	**47.3**	ug/L	4.2	1.2	1		10/22/19 11:01	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 11:01	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 11:01	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 11:01	100-42-5	
Tetrachloroethene	**71.1**	ug/L	1.1	0.33	1		10/22/19 11:01	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 11:01	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 11:01	108-88-3	
Trichloroethene	**19.9**	ug/L	1.0	0.26	1		10/22/19 11:01	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 11:01	75-69-4	
Vinyl chloride	**0.95J**	ug/L	1.0	0.17	1		10/22/19 11:01	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 11:01	1330-20-7	
cis-1,2-Dichloroethene	**50.7**	ug/L	1.0	0.27	1		10/22/19 11:01	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 11:01	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 11:01	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 11:01	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 11:01	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 11:01	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 11:01	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 11:01	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 11:01	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 11:01	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 11:01	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 11:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/22/19 11:01	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/22/19 11:01	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/22/19 11:01	2037-26-5	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-11S **Lab ID: 40197574005** Collected: 10/15/19 10:55 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1370**	mg/L	20.0	8.7	1		10/22/19 17:47		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/22/19 12:17		

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-24 **Lab ID: 40197574006** Collected: 10/15/19 13:01 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**2150**	mg/L	20.0	8.7	1		10/22/19 17:47		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**3.0**	mg/L	2.0	0.95	1		10/22/19 12:17		

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-28 **Lab ID: 40197574007** Collected: 10/16/19 10:23 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50J**	ug/L	1.0	0.27	1		10/22/19 11:24	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 11:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 11:24	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 11:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 11:24	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 11:24	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 11:24	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 11:24	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 11:24	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 11:24	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 11:24	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 11:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 11:24	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 11:24	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 11:24	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 11:24	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 11:24	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 11:24	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 11:24	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 11:24	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 11:24	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 11:24	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 11:24	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 11:24	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 11:24	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 11:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 11:24	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 11:24	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 11:24	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 11:24	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 11:24	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 11:24	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 11:24	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 11:24	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 11:24	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 11:24	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 11:24	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 11:24	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 11:24	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 11:24	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 11:24	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 11:24	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 11:24	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 11:24	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 11:24	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 11:24	87-68-3	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-28 **Lab ID: 40197574007** Collected: 10/16/19 10:23 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 11:24	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 11:24	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 11:24	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 11:24	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 11:24	100-42-5	
Tetrachloroethene	**1140**	ug/L	21.8	6.5	20		10/22/19 12:09	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 11:24	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 11:24	108-88-3	
Trichloroethene	**2.9**	ug/L	1.0	0.26	1		10/22/19 11:24	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 11:24	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 11:24	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 11:24	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/22/19 11:24	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 11:24	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 11:24	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 11:24	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 11:24	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 11:24	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 11:24	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 11:24	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 11:24	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 11:24	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 11:24	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 11:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/22/19 11:24	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/22/19 11:24	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/22/19 11:24	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1180**	mg/L	20.0	8.7	1		10/22/19 17:47		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/22/19 12:17		

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-29S **Lab ID: 40197574008** Collected: 10/15/19 15:32 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**720**	mg/L	20.0	8.7	1		10/22/19 17:48		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/22/19 12:17		

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: MW-29D **Lab ID: 40197574009** Collected: 10/15/19 16:14 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**626**	mg/L	20.0	8.7	1		10/22/19 17:48		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/22/19 12:17		

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: DUP-04 **Lab ID: 40197574010** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**672**	mg/L	20.0	8.7	1		10/22/19 17:48		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**<0.95**	mg/L	2.0	0.95	1		10/22/19 12:17		

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: DUP-05 **Lab ID: 40197574011** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:54	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:54	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 12:54	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 12:54	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 12:54	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:54	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 12:54	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 12:54	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 12:54	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 12:54	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 12:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 12:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 12:54	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:54	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:54	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 12:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 12:54	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 12:54	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 12:54	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 12:54	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 12:54	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 12:54	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 12:54	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 12:54	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 12:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 12:54	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 12:54	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 12:54	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 12:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 12:54	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 12:54	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 12:54	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 12:54	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 12:54	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 12:54	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:54	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 12:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 12:54	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 12:54	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 12:54	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 12:54	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 12:54	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 12:54	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 12:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 12:54	87-68-3	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: DUP-05 **Lab ID: 40197574011** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 12:54	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 12:54	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 12:54	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 12:54	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 12:54	100-42-5	
Tetrachloroethene	**5.5**	ug/L	1.1	0.33	1		10/22/19 12:54	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 12:54	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 12:54	108-88-3	
Trichloroethene	**3.7**	ug/L	1.0	0.26	1		10/22/19 12:54	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 12:54	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 12:54	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 12:54	1330-20-7	
cis-1,2-Dichloroethene	**6.8**	ug/L	1.0	0.27	1		10/22/19 12:54	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 12:54	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 12:54	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 12:54	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 12:54	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 12:54	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 12:54	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 12:54	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 12:54	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 12:54	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 12:54	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 12:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/22/19 12:54	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/22/19 12:54	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/22/19 12:54	2037-26-5	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: DUP-06 **Lab ID: 40197574012** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:16	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:16	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:16	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 13:16	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 13:16	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:16	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:16	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 13:16	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 13:16	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 13:16	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 13:16	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 13:16	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 13:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 13:16	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:16	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:16	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 13:16	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 13:16	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 13:16	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 13:16	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 13:16	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 13:16	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 13:16	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 13:16	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 13:16	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 13:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 13:16	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 13:16	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 13:16	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 13:16	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 13:16	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 13:16	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 13:16	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 13:16	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 13:16	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 13:16	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:16	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 13:16	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 13:16	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 13:16	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 13:16	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 13:16	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 13:16	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 13:16	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 13:16	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 13:16	87-68-3	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: DUP-06 **Lab ID: 40197574012** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 13:16	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 13:16	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 13:16	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 13:16	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 13:16	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/22/19 13:16	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 13:16	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 13:16	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 13:16	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 13:16	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 13:16	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 13:16	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/22/19 13:16	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 13:16	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 13:16	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 13:16	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 13:16	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 13:16	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 13:16	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 13:16	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 13:16	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 13:16	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 13:16	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 13:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/22/19 13:16	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/22/19 13:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/22/19 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: TRIP BLANK (3) **Lab ID: 40197574013** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 06:55	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/22/19 06:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 06:55	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		10/22/19 06:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<0.54**	ug/L	5.0	0.54	1		10/22/19 06:55	76-13-1	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		10/22/19 06:55	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 06:55	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		10/22/19 06:55	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		10/22/19 06:55	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		10/22/19 06:55	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/22/19 06:55	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		10/22/19 06:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		10/22/19 06:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		10/22/19 06:55	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 06:55	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 06:55	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/22/19 06:55	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		10/22/19 06:55	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		10/22/19 06:55	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		10/22/19 06:55	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		10/22/19 06:55	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		10/22/19 06:55	594-20-7	
2-Butanone (MEK)	**<2.9**	ug/L	20.0	2.9	1		10/22/19 06:55	78-93-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		10/22/19 06:55	95-49-8	
2-Hexanone	**<2.5**	ug/L	8.2	2.5	1		10/22/19 06:55	591-78-6	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		10/22/19 06:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<1.5**	ug/L	5.1	1.5	1		10/22/19 06:55	108-10-1	
Acetone	**<2.7**	ug/L	20.0	2.7	1		10/22/19 06:55	67-64-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/22/19 06:55	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		10/22/19 06:55	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/22/19 06:55	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		10/22/19 06:55	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		10/22/19 06:55	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		10/22/19 06:55	74-83-9	
Carbon disulfide	**<0.37**	ug/L	5.0	0.37	1		10/22/19 06:55	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 06:55	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 06:55	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		10/22/19 06:55	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		10/22/19 06:55	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		10/22/19 06:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		10/22/19 06:55	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		10/22/19 06:55	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		10/22/19 06:55	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		10/22/19 06:55	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		10/22/19 06:55	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 06:55	87-68-3	

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(920)469-2436

ANALYTICAL RESULTS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Sample: TRIP BLANK (3) **Lab ID: 40197574013** Collected: 10/15/19 00:00 Received: 10/18/19 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		10/22/19 06:55	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		10/22/19 06:55	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		10/22/19 06:55	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		10/22/19 06:55	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		10/22/19 06:55	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		10/22/19 06:55	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		10/22/19 06:55	109-99-9	
Toluene	**<0.17**	ug/L	5.0	0.17	1		10/22/19 06:55	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 06:55	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/22/19 06:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/22/19 06:55	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/22/19 06:55	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		10/22/19 06:55	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		10/22/19 06:55	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		10/22/19 06:55	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		10/22/19 06:55	104-51-8	
n-Hexane	**<1.7**	ug/L	5.7	1.7	1		10/22/19 06:55	110-54-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		10/22/19 06:55	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		10/22/19 06:55	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		10/22/19 06:55	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		10/22/19 06:55	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/22/19 06:55	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		10/22/19 06:55	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		10/22/19 06:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/22/19 06:55	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/22/19 06:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/22/19 06:55	2037-26-5	

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QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

QC Batch: 338088 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40197574001, 40197574002, 40197574003, 40197574004, 40197574007, 40197574011, 40197574012, 40197574013

METHOD BLANK: 1964077 Matrix: Water
Associated Lab Samples: 40197574001, 40197574002, 40197574003, 40197574004, 40197574007, 40197574011, 40197574012, 40197574013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/21/19 16:28	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/21/19 16:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/21/19 16:28	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/21/19 16:28	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	5.0	10/21/19 16:28	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/21/19 16:28	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/21/19 16:28	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/21/19 16:28	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/21/19 16:28	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/21/19 16:28	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/21/19 16:28	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/21/19 16:28	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/21/19 16:28	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/21/19 16:28	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/21/19 16:28	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/21/19 16:28	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/21/19 16:28	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/21/19 16:28	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/21/19 16:28	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/21/19 16:28	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/21/19 16:28	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/21/19 16:28	
2-Butanone (MEK)	ug/L	<2.9	20.0	10/21/19 16:28	
2-Chlorotoluene	ug/L	<0.93	5.0	10/21/19 16:28	
2-Hexanone	ug/L	<2.5	8.2	10/21/19 16:28	
4-Chlorotoluene	ug/L	<0.76	2.5	10/21/19 16:28	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.5	5.1	10/21/19 16:28	
Acetone	ug/L	<2.7	20.0	10/21/19 16:28	
Benzene	ug/L	<0.25	1.0	10/21/19 16:28	
Bromobenzene	ug/L	<0.24	1.0	10/21/19 16:28	
Bromochloromethane	ug/L	<0.36	5.0	10/21/19 16:28	
Bromodichloromethane	ug/L	<0.36	1.2	10/21/19 16:28	
Bromoform	ug/L	<4.0	13.2	10/21/19 16:28	
Bromomethane	ug/L	<0.97	5.0	10/21/19 16:28	
Carbon disulfide	ug/L	<0.37	5.0	10/21/19 16:28	
Carbon tetrachloride	ug/L	<0.17	1.0	10/21/19 16:28	
Chlorobenzene	ug/L	<0.71	2.4	10/21/19 16:28	
Chloroethane	ug/L	<1.3	5.0	10/21/19 16:28	
Chloroform	ug/L	<1.3	5.0	10/21/19 16:28	
Chloromethane	ug/L	<2.2	7.3	10/21/19 16:28	

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QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

METHOD BLANK: 1964077 Matrix: Water
Associated Lab Samples: 40197574001, 40197574002, 40197574003, 40197574004, 40197574007, 40197574011, 40197574012, 40197574013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/21/19 16:28	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/21/19 16:28	
Dibromochloromethane	ug/L	<2.6	8.7	10/21/19 16:28	
Dibromomethane	ug/L	<0.94	3.1	10/21/19 16:28	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/21/19 16:28	
Diisopropyl ether	ug/L	<1.9	6.3	10/21/19 16:28	
Ethylbenzene	ug/L	<0.22	1.0	10/21/19 16:28	
Hexachloro-1,3-butadiene	ug/L	1.2J	5.0	10/21/19 16:28	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/21/19 16:28	
m&p-Xylene	ug/L	<0.47	2.0	10/21/19 16:28	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/21/19 16:28	
Methylene Chloride	ug/L	<0.58	5.0	10/21/19 16:28	
n-Butylbenzene	ug/L	<0.71	2.4	10/21/19 16:28	
n-Hexane	ug/L	<1.7	5.7	10/21/19 16:28	
n-Propylbenzene	ug/L	<0.81	5.0	10/21/19 16:28	
Naphthalene	ug/L	<1.2	5.0	10/21/19 16:28	
o-Xylene	ug/L	<0.26	1.0	10/21/19 16:28	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/21/19 16:28	
sec-Butylbenzene	ug/L	<0.85	5.0	10/21/19 16:28	
Styrene	ug/L	<0.47	1.6	10/21/19 16:28	
tert-Butylbenzene	ug/L	<0.30	1.0	10/21/19 16:28	
Tetrachloroethene	ug/L	<0.33	1.1	10/21/19 16:28	
Tetrahydrofuran	ug/L	<2.3	20.0	10/21/19 16:28	
Toluene	ug/L	<0.17	5.0	10/21/19 16:28	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/21/19 16:28	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/21/19 16:28	
Trichloroethene	ug/L	<0.26	1.0	10/21/19 16:28	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/21/19 16:28	
Vinyl chloride	ug/L	<0.17	1.0	10/21/19 16:28	
Xylene (Total)	ug/L	<1.5	3.0	10/21/19 16:28	
4-Bromofluorobenzene (S)	%	90	70-130	10/21/19 16:28	
Dibromofluoromethane (S)	%	102	70-130	10/21/19 16:28	
Toluene-d8 (S)	%	92	70-130	10/21/19 16:28	

LABORATORY CONTROL SAMPLE: 1964078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.5	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.3	91	70-130	
1,1,2-Trichloroethane	ug/L	50	50.5	101	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	54.5	109	50-150	
1,1-Dichloroethane	ug/L	50	50.8	102	73-150	
1,1-Dichloroethene	ug/L	50	55.7	111	73-138	

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QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

LABORATORY CONTROL SAMPLE: 1964078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	52.3	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.2	84	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,2-Dichloroethane	ug/L	50	52.1	104	75-140	
1,2-Dichloropropane	ug/L	50	50.7	101	73-135	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.8	102	70-130	
Benzene	ug/L	50	49.9	100	70-130	
Bromodichloromethane	ug/L	50	53.9	108	70-130	
Bromoform	ug/L	50	49.4	99	68-129	
Bromomethane	ug/L	50	41.7	83	18-159	
Carbon disulfide	ug/L	50	49.9	100	69-132	
Carbon tetrachloride	ug/L	50	56.8	114	70-130	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	46.6	93	53-147	
Chloroform	ug/L	50	48.2	96	74-136	
Chloromethane	ug/L	50	39.9	80	29-115	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	70-130	
Dibromochloromethane	ug/L	50	54.4	109	70-130	
Dichlorodifluoromethane	ug/L	50	57.7	115	10-130	
Ethylbenzene	ug/L	50	53.9	108	80-124	
Isopropylbenzene (Cumene)	ug/L	50	50.8	102	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	45.1	90	54-137	
Methylene Chloride	ug/L	50	49.3	99	73-138	
o-Xylene	ug/L	50	55.2	110	70-130	
Styrene	ug/L	50	50.9	102	70-130	
Tetrachloroethene	ug/L	50	56.2	112	70-130	
Toluene	ug/L	50	51.9	104	80-126	
trans-1,2-Dichloroethene	ug/L	50	53.9	108	73-145	
trans-1,3-Dichloropropene	ug/L	50	46.6	93	70-130	
Trichloroethene	ug/L	50	56.4	113	70-130	
Trichlorofluoromethane	ug/L	50	54.6	109	76-147	
Vinyl chloride	ug/L	50	46.0	92	51-120	
Xylene (Total)	ug/L	150	166	111	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

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QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964282 1964283

Parameter	Units	40197607006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	56.6	57.4	113	115	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	45.3	44.8	91	90	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	49.7	49.6	99	99	70-137	0	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	50	50	54.6	54.9	109	110	50-150	0	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.2	52.0	102	104	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	56.3	56.2	113	112	73-138	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	53.5	53.2	107	106	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	43.6	42.4	87	85	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.0	51.3	102	103	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.1	50.8	102	102	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	52.4	52.8	105	106	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	51.0	50.9	102	102	71-138	0	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.1	50.2	100	100	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.7	50.4	101	101	70-130	1	20	
Benzene	ug/L	<0.25	50	50	50.1	50.8	100	102	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	53.1	53.9	106	108	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	48.8	49.3	98	99	68-129	1	20	
Bromomethane	ug/L	<0.97	50	50	44.9	47.9	90	96	15-170	6	20	
Carbon disulfide	ug/L	<0.37	50	50	50.8	51.1	102	102	66-145	1	20	
Carbon tetrachloride	ug/L	<0.17	50	50	57.1	58.2	114	116	70-130	2	20	
Chlorobenzene	ug/L	<0.71	50	50	51.6	51.9	103	104	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	46.9	48.3	94	97	51-148	3	20	
Chloroform	ug/L	<1.3	50	50	48.5	49.2	97	98	74-136	1	20	
Chloromethane	ug/L	<2.2	50	50	40.7	41.3	81	83	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.3	50.5	99	101	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	48.0	48.2	96	96	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	53.1	53.7	106	107	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	56.6	56.7	113	113	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	53.5	53.8	107	108	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.3	50.8	101	102	70-130	1	20	
m&p-Xylene	ug/L	<0.47	100	100	110	111	110	111	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	45.3	46.1	91	92	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	49.4	50.3	99	101	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	54.8	55.5	110	111	70-130	1	20	
Styrene	ug/L	<0.47	50	50	50.4	50.8	101	102	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	56.1	56.7	112	113	70-130	1	20	
Toluene	ug/L	<0.17	50	50	51.6	52.0	103	104	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	54.8	55.0	110	110	73-148	0	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.1	47.3	94	95	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	55.4	55.5	111	111	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.3	55.3	109	111	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	47.1	47.7	94	95	41-129	1	20	
Xylene (Total)	ug/L	<1.5	150	150	165	167	110	111	70-130	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1964282 1964283

Parameter	Units	40197607006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						101	100	70-130			
Dibromofluoromethane (S)	%						98	98	70-130			
Toluene-d8 (S)	%						96	96	70-130			

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

QC Batch: 338384 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 40197574005, 40197574006, 40197574007, 40197574008, 40197574009, 40197574010

METHOD BLANK: 1964979 Matrix: Water
Associated Lab Samples: 40197574005, 40197574006, 40197574007, 40197574008, 40197574009, 40197574010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	10/22/19 17:46	

LABORATORY CONTROL SAMPLE: 1964980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	600	550	92	80-120	

SAMPLE DUPLICATE: 1964981

Parameter	Units	40197395003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	314	336	7	10	

SAMPLE DUPLICATE: 1964982

Parameter	Units	40197610003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	324	346	7	10	

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QUALITY CONTROL DATA

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

QC Batch: 338096 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40197574005, 40197574006, 40197574007, 40197574008, 40197574009, 40197574010

METHOD BLANK: 1964098 Matrix: Water
Associated Lab Samples: 40197574005, 40197574006, 40197574007, 40197574008, 40197574009, 40197574010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	10/22/19 12:16	

LABORATORY CONTROL SAMPLE: 1964099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	98.0	98	80-120	

SAMPLE DUPLICATE: 1964100

Parameter	Units	35504903001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	12200	12100	1	10	

SAMPLE DUPLICATE: 1964101

Parameter	Units	35504903002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5300	5280	0	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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Green Bay, WI 54302
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A194210 MADISON KIPP CORP.-Revised Report
Pace Project No.: 40197574

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40197574001	**MW-1**	EPA 8260	338088		
40197574002	**MW-2D**	EPA 8260	338088		
40197574003	**MW-9D**	EPA 8260	338088		
40197574004	**MW-9D2**	EPA 8260	338088		
40197574007	**MW-28**	EPA 8260	338088		
40197574011	**DUP-05**	EPA 8260	338088		
40197574012	**DUP-06**	EPA 8260	338088		
40197574013	**TRIP BLANK (3)**	EPA 8260	338088		
40197574005	**MW-11S**	SM 2540C	338384		
40197574006	**MW-24**	SM 2540C	338384		
40197574007	**MW-28**	SM 2540C	338384		
40197574008	**MW-29S**	SM 2540C	338384		
40197574009	**MW-29D**	SM 2540C	338384		
40197574010	**DUP-04**	SM 2540C	338384		
40197574005	**MW-11S**	SM 2540D	338096		
40197574006	**MW-24**	SM 2540D	338096		
40197574007	**MW-28**	SM 2540D	338096		
40197574008	**MW-29S**	SM 2540D	338096		
40197574009	**MW-29D**	SM 2540D	338096		
40197574010	**DUP-04**	SM 2540D	338096		

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401975174

Pace Analytical
ECCS Mobile Lab Services

SUBCONTRACT ORDER

Pace Analytical - Madison

A194210

SENDING LABORATORY:

Pace Analytical - Madison
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal
_____ Rush

Project Name: Madison Kipp Corporation - Madison, WI

Analysis	Due	Expires	Laboratory ID	Comments
MW-1 **Lab ID: A194210-01** **Water** **Sampled: 10/16/2019 12:02**			001	
8260 WI Full List	10/30/2019 00:00	10/30/2019 12:02		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-2D **Lab ID: A194210-02** **Water** **Sampled: 10/16/2019 13:41**			002	
8260 WI Full List	10/30/2019 00:00	10/30/2019 13:41		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-9D **Lab ID: A194210-03** **Water** **Sampled: 10/16/2019 15:30**			003	
8260 WI Full List	10/30/2019 00:00	10/30/2019 15:30		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-9D2 **Lab ID: A194210-04** **Water** **Sampled: 10/16/2019 14:42**			004	
8260 WI Full List	10/30/2019 00:00	10/30/2019 14:42		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
MW-11S **Lab ID: A194210-05** **Water** **Sampled: 10/15/2019 10:55**			005	
2540D - Suspended Solids	10/30/2019 00:00	10/22/2019 10:55		
Subcontracted Analysis - Pace	10/30/2019 00:00	10/29/2019 10:55		Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to				

401975174

Jessica Esser 10-17-19 1600
Released By Date Received By Date

CS Logistics 10/18/19 08:55 Quinn Ryan Pace 10/18/19 08:55
Released By Date Received By Date

Pace Analytical®
ECCS Mobile Lab Services

SUBCONTRACT ORDER

Pace Analytical - Madison

A194210

40197574

Analysis	Due	Expires	Laboratory ID	Comments
MW-24 **Lab ID: A194210-06** **Water** **Sampled: 10/15/2019 13:01**			006	
2540D - Suspended Solids	10/30/2019 00:00	10/22/2019 13:01		
Subcontracted Analysis - Pace	10/30/2019 00:00	10/29/2019 13:01		Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
MW-28 **Lab ID: A194210-07** **Water** **Sampled: 10/16/2019 10:23**			007	
Subcontracted Analysis - Pace	10/30/2019 00:00	10/30/2019 10:23		Dissolved Solids, Total
8260 WI Full List	10/30/2019 00:00	10/30/2019 10:23		Report to MDL-Report total xylenes, B Flagging turned off
2540D - Suspended Solids	10/30/2019 00:00	10/23/2019 10:23		
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
MW-29S **Lab ID: A194210-08** **Water** **Sampled: 10/15/2019 15:32**			008	
2540D - Suspended Solids	10/30/2019 00:00	10/22/2019 15:32		
Subcontracted Analysis - Pace	10/30/2019 00:00	10/29/2019 15:32		Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
MW-29D **Lab ID: A194210-09** **Water** **Sampled: 10/15/2019 16:14**			009	
2540D - Suspended Solids	10/30/2019 00:00	10/22/2019 16:14		
Subcontracted Analysis - Pace	10/30/2019 00:00	10/29/2019 16:14		Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
DUP-04 **Lab ID: A194210-10** **Water** **Sampled: 10/15/2019 00:00**			010	
2540D - Suspended Solids	10/30/2019 00:00	10/22/2019 00:00		
Subcontracted Analysis - Pace	10/30/2019 00:00	10/29/2019 00:00		Dissolved Solids, Total
Containers Supplied:				
14_1000mL Plastic Cool t 14_250mL Plastic Cool to				
DUP-05 **Lab ID: A194210-11** **Water** **Sampled: 10/16/2019 00:00**			011	
8260 WI Full List	10/30/2019 00:00	10/30/2019 00:00		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				

Released By Date Received By Date

10-17-19 1600

CS Logistics 10/18/19 0855 Pace 10/18/19 0855

Released By Date Received By Date

Pace Analytical®
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SUBCONTRACT ORDER

Pace Analytical - Madison

A194210

40197514

Analysis	Due	Expires	Laboratory ID	Comments
DUP-06 **Lab ID: A194210-12** **Water** **Sampled: 10/16/2019 00:00**			012	
8260 WI Full List	10/30/2019 00:00	10/30/2019 00:00		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-] 07_40mL Clear Vial (pre-]				
Trip Blank (3) **Lab ID: A194210-13** **Water** **Sampled: 10/16/2019 00:00**			013	
8260 WI Full List	10/30/2019 00:00	10/30/2019 00:00		Report to MDL-Report total xylenes
Containers Supplied:				
07_40mL Clear Vial (pre-]				

Released By 10-17-19 1000 Date — Received By Date

Released By CS Logistics 10/18/19 08:55 Date — Received By 10/18/19 08:55 Date

Sample Preservation Receipt Form

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

Client Name: Pace Analytical/Madison Project # 40197574

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

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		W															2.5 / 5 / 10
002																		W															2.5 / 5 / 10
003																		W															2.5 / 5 / 10
004																		W															2.5 / 5 / 10
005								1			1																						2.5 / 5 / 10
006								1			1																						2.5 / 5 / 10
007																		W															2.5 / 5 / 10
008								1			1																						2.5 / 5 / 10
009								1			1																						2.5 / 5 / 10
010								1			1																						2.5 / 5 / 10
011																		W															2.5 / 5 / 10
012																		W															2.5 / 5 / 10
013																		1															2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

GM 10/18/19

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Page 66 of 67 A194210 FINAL 11 18 2019 1518

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40197574

40197574

Client Name: Pace Analytical Madison

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

Tracking #: 7105 401719

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 Zip Lock Bags

Thermometer Used SR - 12 **Type of Ice:** (Wet) Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.5°C /Corr: 2°C

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

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

Person examining contents:
Date: 10/18/19
Initials: gm

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: HMR for DM **Date:** 10/18/19

Page 2 of 2

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft	14 - 24 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	03/29/2011	04/11/2012	01/15/2013	04/21/2013	07/18/2013	10/09/2013	04/22/2014	10/23/2014	04/14/2015	10/21/2015	10/13/2016	10/04/2017	10/16/2018	10/16/2019	10/16/2019
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	***1.1***	***0.95***	***0.94 J***	***0.84 J***	< 0.31	< 0.31	0.62 J	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.24	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075 J-	< 0.87	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0 J	< 2.9	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95 J	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77 J	< 1.5	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	7.5 BJ	< 3.4 J	< 2.7	< 2.7
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.36	< 0.36
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 4.0	< 4.0
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.97	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.17	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 1.3	< 1.3
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.75 BJ	2.2	< 0.25 U	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	***51***	***58***	***38***	***41***	***23***	***25***	***27***	***25***	***22***	***20***	***8***	3.6	2.8	4.0	***7.1***	6.8
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.50	< 0.50
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081 J-	< 0.39	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 1.2	< 1.2
Methylene chloride	0.5	5	< 1	< 1	***8.5***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14	< 0.58	< 0.58
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.71	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10	< 0.81	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085 J-	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.85	< 0.85
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ	< 0.065	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.30	< 0.30
Tetrachloroethene	0.5	5	***32***	***9***	***23***	***22***	***10***	***11***	***18***	***19***	***16***	***16***	***4.4***	***5.5***	***4***	***3.8***	***5.8***	***5.5***
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	0.97	0.93	0.77 J	0.78 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.22 J	0.16 J	0.13 J	< 1.1	< 1.1
Trichloroethene	0.5	5	***33***	***20***	***24***	***25***	***23***	***18***	***23***	***28***	***19***	***21***	***6.2***	***3.8***	***2***	***2.2***	***3.9***	***3.7***
Trichlorofluoromethane	698	3490	< 2	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.13	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	***1.5***	***1.1***	***0.86***	***0.63***	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12	< 1.5	< 1.5
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	03/30/2011	04/11/2012	01/14/2013	04/20/2013	07/18/2013	10/10/2013	04/17/2014	10/16/2014	10/16/2018
VOCs												
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA
Methylene chloride	0.5	5	< 1	< 1	***8.6***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA
Tetrachloroethene	0.5	5	***1.6***	***1.3***	***1.2***	***1.3***	***1.3***	***0.81 J***	***1.1***	***1.3***	***1***	NA
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	NA
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA
Trichlorofluoromethane	698	3490	< 2	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	NA
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	NA
Total PCBs												
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND
Dissolved PCBs												
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids												
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	376
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D[3]	MW-2D	MW-2D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft	39 - 44 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	10/01/2010	03/30/2011	04/11/2012	01/15/2013	04/20/2013	07/18/2013	10/10/2013	04/17/2014	10/16/2014	04/14/2015	10/21/2015	01/25/2016	04/21/2016	07/19/2016	10/13/2016	1/19/2017	04/12/2017	10/04/2017	04/05/2018	10/16/2018	10/16/2018	04/12/2019	10/16/2019
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 8	< 0.25	< 4	< 0.31	< 0.5	< 0.5	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	< 0.46	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
1,1,1-Trichloroethane	40	200	< 16	< 0.5	< 8	< 0.26	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.38	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 8	< 0.25	< 4	< 0.3	< 0.56	< 0.56	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.35	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	< 16	< 0.5	< 8	< 0.29	< 0.62	< 0.62	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.39	< 0.70	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.24	< 0.24
1,2,4-Trimethylbenzene	96	480	< 6.4	< 0.2	< 3.2	< 0.22	< 0.28	< 0.28	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.36	< 0.30	< 0.60	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 0.060	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 6.4	< 0.2	< 3.2	< 0.45	< 0.72	< 0.72	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.39	< 0.65	< 1.3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 6.4	< 0.2	< 3.2	< 0.21	< 0.54	< 0.54	< 0.27	< 0.27	< 0.27	< 0.54	< 0.27	< 0.33	0.45 J	< 0.76	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 16	< 0.5	< 8	< 0.28	< 0.56	< 0.56	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.39	< 0.39	< 0.78	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 16	< 0.5	< 8	< 0.36	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.43	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 8	< 0.25	< 4	< 0.36	< 0.48	< 0.48	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.46	< 0.23	< 0.45	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	0.050 J	< 0.045	< 0.045	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 8	< 0.25	< 4	< 0.22	< 0.62	< 0.62	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.34	0.85 J	< 0.77	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 6.4	< 0.2	< 3.2	< 0.23	< 0.36	< 0.36	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.25	< 0.38	< 0.75	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.87	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 30	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 3.0	< 2.9	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	< 9.5	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.9	< 7.7	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 1.5	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 17	< 34	< 3.4	< 3.4	< 3.4	15 BJ	< 3.4	< 3.4	< 3.4	< 3.4	< 2.7	< 2.7
Benzene	0.5	5	< 6.4	< 0.2	< 3.2	< 0.12	< 0.15	< 0.15	< 0.074	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.45	< 0.89	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 6.4	< 0.2	< 3.2	< 0.23	< 0.34	< 0.34	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.37	< 0.39	< 0.77	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.36	< 0.36
Bromoform	0.44	4.4	< 6.4	< 0.2	< 3.2	< 0.45	< 0.56	< 0.56	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.48	< 0.44	< 0.88	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 4.0	< 4.0
Bromomethane	1	10	< 16	< 0.5	< 8	< 0.49	< 0.62	< 0.62	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.80	< 3.0	< 5.9	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.97	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	< 0.53	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 26	< 0.8	< 13	< 0.28	< 0.52	< 0.52	< 0.26	< 0.26	< 0.26	< 0.52	< 0.26	< 0.38	< 0.19	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.17	< 0.17
Chloroform	0.6	6	< 6.4	< 0.2	< 3.2	< 0.25	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.37	< 0.31	< 0.62	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 1.3	< 1.3
Chloromethane	3	30	< 9.6	< 0.3	< 4.8	< 0.24	< 0.36	< 0.36	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.32	< 0.80	< 1.6	0.20 J	0.81 BJ	0.33 BJ	0.30 J+	1.4 J	0.28 J+	< 0.31 U	< 0.25 U	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	< 16	0.67	< 8	< 0.22	< 0.24	< 0.24	< 0.12	< 0.12	< 0.12	< 0.24	< 0.12	< 0.41	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
Dichlorodifluoromethane	200	1000	< 16	< 0.5	< 8	< 0.26	< 0.4	< 0.4	< 0.2	< 0.2	< 0.20	< 0.40	< 0.20	< 0.54	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.15 J+	< 0.11	< 0.11	< 0.50	< 0.50
Ethylbenzene	140	700	< 16	< 0.5	< 8	< 0.14	< 0.26	< 0.26	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.18	< 0.27	< 0.54	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.21	< 0.28	< 0.28	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.39	< 0.41	< 0.81	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.39	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.29	< 0.57	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 16	< 0.5	< 8	< 0.28	< 0.48	< 0.48	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.39	< 0.70	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.2	< 1.2
Methylene chloride	0.5	5	< 32	< 1	< 16	***8.1***	< 1.4	< 1.4	< 0.68	< 0.68	< 0.68	< 1.4	< 0.68	< 1.6	< 0.70	< 1.4	< 0.14	< 0.14	***0.82 BJ***	< 0.14	< 0.14	< 0.14	< 0.27 U	< 0.27 U	< 0.58	< 0.58
Naphthalene	10	100	< 8	< 0.25	< 4	< 0.24	< 0.32	< 0.32	< 0.16	< 0.16	< 0.16	< 0.32	< 0.16	< 0.34	< 0.44	< 0.88	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.33 J	< 0.088	< 0.088	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.21	< 0.26	< 0.26	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.39	< 0.70	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.71	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 2.1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 16	< 0.5	< 8	< 0.19	< 0.26	< 0.26	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.41	< 0.50	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 0.81	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.29	< 0.58	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.24	< 0.34	< 0.34	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.36	< 0.43	< 0.85	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 8	< 0.25	< 4	< 0.19	< 0.3	< 0.3	< 0.15	< 0.15	< 0.15	< 0.30	< 0.15	< 0.40	< 0.65	< 1.3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.85	< 0.85
Styrene	10	100	< 16	< 0.5	< 8	< 0.26	< 0.2	< 0.2	< 0.1	< 0.1	< 0.10	< 0.20	< 0.10	< 0.39	< 0.33	< 0.65	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 6.4	< 0.2	< 3.2	< 0.24	< 0.28	< 0.28	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.40	< 0.60	< 1.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.30	< 0.30
Tetrachloroethene	0.5	5	***1400***	***1300***	***1000***	***610***	***720***	***910***	***580***	***440***	***450***	***540***	***250***	***210***	***85***	***290***	***81***	***28***	***22***	***19***	***38***	***29***	***20***	***18***	***17.1***	***10.8***
Toluene	160	800	< 16	< 0.5	< 8	< 0.15	< 0.22	< 0.22	< 0.11	< 0.11	< 0.11	< 0.22	< 0.11	< 0.15	0.30 J	< 0.53	< 0.053	0.090 J	0.090 BJ	< 0.053	< 0.053	0.060 J	< 0.053	< 0.053	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	< 16	< 0.5	< 8	< 0.27	< 0.5	< 0.5	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	< 0.35	< 0.55	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 1.1
Trichloroethene	0.5	5	***20***	***16***	***9.8***	***5.4***	***5.1***	***6.4***	***4.1***	***3***	***2.5***	***2.1***	***1.2***	***0.73***	***0.60 J***	< 0.62	0.24 J	0.10 J	0.12 BJ	0.12 J	0.09 J	< 0.062	< 0.062	< 0.062	< 0.26	< 0.26
Trichlorofluoromethane	698	3490	< 64	< 2	< 32	< 0.22	< 0.38	< 0.38	< 0.19	< 0.19	< 1.0	< 2.0	< 1.0	< 1.0	< 2.5	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.13	< 0.13	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	< 6.4	< 0.2	< 3.2	< 0.13	< 0.2	< 0.2	< 0.1	< 0.1	< 0.10	< 0.20	< 0.10	< 0.20	< 0.80	< 1.6	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17
Xylenes, Total	400	2000	< 16	< 0.5	< 8	< 0.3	< 0.14	< 0.14	< 0.068	< 0.068	< 0.068	< 0.14	< 0.068	< 0.22	< 0.29	< 0.58	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 1.5	< 1.5
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1220	1220	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	< 1.4	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S[1]	MW-3S[1,3]	MW-3S	MW-3S[1]	MW-3S[1]	MW-3S	MW-3S	MW-3S[1]	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	03/29/2011	04/12/2012	11/30/2012	12/18/2012	12/19/2012	12/28/2012	01/03/2013	01/15/2013	01/15/2013	01/31/2013	02/12/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/16/2013	07/16/2013	10/10/2013	04/16/2014	10/22/2014	04/13/2015	10/21/2015	10/13/2016	10/05/2017	10/12/2018
VOCs																													
1,1,1,2-Tetrachloroethane	7	70	< 8	< 6.3	< 1.6	< 1.3	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.5	< 0.5	< 1.3	< 0.25	< 1.3	< 0.92	< 2.2	< 2.8	< 5.5
1,1,1-Trichloroethane	40	200	< 16	< 13	< 1.3	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	< 0.4	< 1.0	< 0.20	< 1.0	< 0.76	< 2.0	< 2.5	< 5.0
1,1,2-Trichloroethane	0.5	5	< 8	< 6.3	< 1.5	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	< 0.56	< 1.4	< 0.28	< 1.4	< 0.70	< 2.0	< 2.5	< 5.0
1,1-Dichloroethene	0.7	7	< 16	< 13	< 1.5	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	< 0.62	< 1.6	< 0.31	< 1.6	< 0.78	< 2.8	< 3.5	< 7.0
1,2,4-Trimethylbenzene	96	480	< 6.4	< 5	< 1.1	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.28	< 0.28	< 0.70	< 0.14	< 0.70	< 0.72	< 1.2	< 1.5	< 3.0
1,2-Dibromoethane	0.005	0.05	< 6.4	< 5	< 2.3	< 1.8	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 0.36	< 0.36	NA	< 0.36	< 0.36	< 0.72	< 0.72	< 1.8	< 0.36	< 1.8	< 0.77	< 2.6	< 3.3	< 6.5
1,2-Dichlorobenzene	60	600	< 6.4	< 5	< 1.1	< 1.4	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.54	< 0.54	< 1.4	< 0.27	< 1.4	< 0.67	< 1.5	< 1.9	< 3.8
1,2-Dichloroethane	0.5	5	< 16	< 13	< 1.4	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	< 0.56	< 1.4	< 0.28	< 1.4	< 0.78	< 1.6	< 2	< 3.9
1,2-Dichloropropane	0.5	5	< 16	< 13	< 1.8	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	< 0.4	< 1.0	< 0.20	< 1.0	< 0.86	< 2.0	< 2.5	< 5.0
1,2,3-Trichlorobenzene	NE	NE	< 8	< 6.3	< 1.8	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.48	< 0.48	< 1.2	< 0.24	< 1.2	< 0.92	< 0.90	< 1.1	< 2.3
1,2,4-Trichlorobenzene	14	70	< 8	< 6.3	< 1.1	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	< 0.62	< 1.6	< 0.31	< 1.6	< 0.68	< 1.5	< 1.9	< 3.9
1,3,5-Trimethylbenzene	96	480	< 6.4	< 5	< 1.2	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.36	< 0.36	< 0.90	< 0.18	< 0.90	< 0.51	< 1.5	< 1.9	< 3.8
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 75	< 150
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 19	< 24	< 48
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 19	< 39
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 68	< 85	< 170
Benzene	0.5	5	< 6.4	< 5	< 0.6	***1.5 J***	NA	NA	NA	NA	NA	0.42 J	NA	NA	NA	***0.88***	***0.9***	NA	***1***	***0.6***	***0.70 J***	***1***	< 0.37	***0.67***	< 0.37	< 0.29	< 1.8	< 2.2	< 4.5
Bromodichloromethane	0.06	0.6	< 6.4	< 5	< 1.2	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.34	< 0.34	< 0.85	< 0.17	< 0.85	< 0.74	< 1.5	< 1.9	< 3.9
Bromoform	0.44	4.4	< 6.4	< 5	< 2.3	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	< 0.56	< 1.4	< 0.28	< 1.4	< 0.97	< 1.8	< 2.2	< 4.4
Bromomethane	1	10	< 16	< 13	< 2.5	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	< 0.62	< 1.6	< 0.31	< 1.6	< 1.6	< 12	< 15	< 30
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.3	< 2.7
Carbon tetrachloride	0.5	5	< 26	< 20	< 1.4	< 1.3	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.52	< 0.52	< 1.3	< 0.26	< 1.3	< 0.77	< 0.76	< 0.95	< 1.9
Chloroform	0.6	6	< 6.4	< 5	***3.7 J***	***5***	NA	NA	NA	NA	NA	***1.6***	NA	NA	NA	***3***	***3.2***	NA	***4.1***	***2.7***	***2.8***	***3.7***	***3.4 J***	***2.4***	< 1.0	***3***	< 1.2	< 1.6	< 3.1
Chloromethane	3	30	< 9.6	< 7.5	< 1.2	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.36	< 0.36	< 0.90	< 0.18	< 0.90	< 0.64	***11 BJ***	< 4	< 17 U
cis-1,2-Dichloroethene	7	70	***83***	***37***	***89***	***98***	NA	NA	NA	NA	NA	< 0.12	NA	NA	NA	1.6	1.8	NA	5.0	< 0.12	***14***	***58***	< 0.60	***35***	***54***	***36***	***29***	***20***	***21 J***
Dichlorodifluoromethane	200	1000	< 16	< 13	< 1.3	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	< 0.4	< 1.0	< 0.20	< 1.0	< 1.1	< 2.2	< 2.8	< 5.5
Ethylbenzene	140	700	< 16	< 13	< 0.7	< 0.65	NA	NA	NA	NA	NA	0.36 J	NA	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	< 0.26	< 0.65	< 0.13	< 0.65	< 0.37	< 1.1	< 1.4	< 2.7
Isopropylbenzene	NE	NE	< 6.4	< 5	< 1.1	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.28	< 0.28	< 0.70	< 0.14	< 0.70	< 0.77	< 1.6	< 2	< 4.1
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.4	< 2.9
Methyl tert-butyl ether	12	60	< 16	< 13	< 1.4	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.48	< 0.48	< 1.2	< 0.24	< 1.2	< 0.79	< 2.8	< 3.5	< 7.0
Methylene chloride	0.5	5	< 32	< 25	< 3.2	< 3.4	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 1.4	< 1.4	< 3.4	< 0.68	< 3.4	***17***	< 2.8	< 3.5	< 7.0
Naphthalene	10	100	< 8	< 6.3	< 1.2	< 0.8	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.32	< 0.32	< 0.80	< 0.16	< 0.80	< 0.67	< 1.8	< 2.2	< 4.4
n-Butylbenzene	NE	NE	< 6.4	< 5	< 1.1	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	< 0.26	< 0.65	< 0.13	< 0.65	< 0.78	< 2.8	< 3.5	< 7.0
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 5.3	< 11
n-Propylbenzene	NE	NE	< 16	< 13	< 0.95	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	< 0.26	< 0.65	< 0.13	< 0.65	< 0.83	< 2.0	< 2.5	< 5.0
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	< 1.5	< 2.9
p-Isopropyltoluene	NE	NE	< 6.4	< 5	< 1.2	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.34	< 0.34	< 0.85	< 0.17	< 0.85	< 0.72	< 1.7	< 2.1	< 4.3
sec-Butylbenzene	NE	NE	< 8	< 6.3	< 0.95	< 0.75	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.3	< 0.3	< 0.75	< 0.15	< 0.75	< 0.80	< 2.6	< 3.3	< 6.5
Styrene	10	100	< 16	< 13	< 1.3	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.2	< 0.2	< 0.50	< 0.10	< 0.50	< 0.77	< 1.3	< 1.6	< 3.3
tert-Butylbenzene	NE	NE	< 6.4	< 5	< 1.2	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.28	< 0.28	< 0.70	< 0.14	< 0.70	< 0.80	< 2.4	< 3	< 6.0
Tetrachloroethene	0.5	5	***2000***	***1100***	***1600***	***2400***	NA	NA	NA	NA	NA	***88***	NA	NA	NA	***600***	***600***	NA	***750***	***20***	***840***	***1000***	***630***	***770***	***1300***	***1300***	***860***	***690 B***	***1100***
Toluene	160	800	< 16	< 13	< 0.75	< 0.55	NA	NA	NA	NA	NA	0.38 J	NA	NA	NA	< 0.11	< 0.11	NA	< 0.11	< 0.11	< 0.22	< 0.22	< 0.55	< 0.11	< 0.55	< 0.30	< 1.1	< 1.3	< 2.7
trans-1,2-Dichloroethene	20	100	< 16	< 13	5.4	6.0	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.5	4.9	< 1.3	2.7	< 1.3	3.1	3.4 J	< 2.8	< 5.5
Trichloroethene	0.5	5	***130***	***66***	***120***	***160***	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	***6.8***	***6.7***	NA	***16***	< 0.19	***26***	***100***	***6.9***	***82***	***120***	***90***	***86***	***65***	***73***
Trichlorofluoromethane	698	3490	< 64	< 50	< 1.1	< 0.95	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.38	< 0.38	< 5.0	< 1.0	< 5.0	< 2.0	< 10	< 13	< 6.5
Vinyl chloride	0.02	0.2	< 6.4	< 5	< 0.65	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.2	< 0.2	< 0.50	< 0.10	< 0.50	< 0.41	< 3.2	< 4	< 8.0
Xylenes, Total	400	2000	< 16	< 13	< 1.5	< 0.34	NA	NA	NA	NA	NA	2.4	NA	NA	NA	< 0.068	< 0.068	NA	< 0.068	< 0.068	< 0.14	< 0.14	< 0.34	< 0.068	< 0.34	< 0.44	< 1.2	< 2.9	< 5.8
Total PCBs																													
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																													
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																													
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	2500	12000	7100	3400	3800	2700	3400	4700	8600	8200	NA	NA	13000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3S	MW-3S[3]	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	19 - 29 ft	19 - 29 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	10/14/2019	10/14/2019	04/07/2010	10/01/2010	03/30/2011	04/12/2012	11/30/2012	12/19/2012	12/28/2012	01/03/2013	01/16/2013	01/31/2013	02/12/2013	02/12/2013	02/28/2013	03/13/2013	04/16/2013
VOCs																			
1,1,1,2-Tetrachloroethane	7	70	< 5.4	< 5.4	< 8	< 0.25	< 5	< 0.31	< 1.3	NA	NA	NA	< 0.25	NA	NA	< 0.25	NA	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 4.9	< 4.9	< 16	< 0.5	< 10	< 0.26	< 1	NA	NA	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 0.2
1,1,2-Trichloroethane	0.5	5	< 11.0	< 11.0	< 8	< 0.25	< 5	< 0.3	< 1.4	NA	NA	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 4.9	< 4.9	< 16	< 0.5	< 10	< 0.29	< 1.6	NA	NA	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 16.8	< 16.8	< 6.4	< 0.2	< 4	< 0.22	< 0.7	NA	NA	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 16.6	< 16.6	< 6.4	< 0.2	< 4	< 0.45	< 1.8	NA	NA	NA	< 0.36	NA	NA	< 0.36	NA	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 14.1	< 14.1	< 6.4	< 0.2	< 4	< 0.21	< 1.4	NA	NA	NA	< 0.27	NA	NA	< 0.27	NA	< 0.27	< 0.27
1,2-Dichloroethane	0.5	5	< 5.6	< 5.6	< 16	< 0.5	< 10	< 0.28	< 1.4	NA	NA	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 5.7	< 5.7	< 16	< 0.5	< 10	< 0.36	< 1	NA	NA	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 12.5	< 12.5	< 8	< 0.25	< 5	< 0.36	< 1.2	NA	NA	NA	< 0.24	NA	NA	< 0.24	NA	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 19.0	< 19.0	< 8	< 0.25	< 5	< 0.22	< 1.6	NA	NA	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 17.5	< 17.5	< 6.4	< 0.2	< 4	< 0.23	< 0.9	NA	NA	NA	< 0.18	NA	NA	< 0.18	NA	< 0.18	< 0.18
2-Butanone	800	4000	< 58.7	< 58.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	< 49.1	< 49.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	< 30.6	< 30.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	< 54.8	< 54.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 4.9	< 4.9	< 6.4	0.31	< 4	0.39 J	< 0.37	NA	NA	NA	0.32 J	NA	NA	0.29 J	NA	< 0.074	0.27 J
Bromodichloromethane	0.06	0.6	< 7.3	< 7.3	< 6.4	< 0.2	< 4	< 0.23	< 0.85	NA	NA	NA	< 0.17	NA	NA	< 0.17	NA	< 0.17	< 0.17
Bromoform	0.44	4.4	< 79.4	< 79.4	< 6.4	< 0.2	< 4	< 0.45	< 1.4	NA	NA	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 0.28
Bromomethane	1	10	< 19.4	< 19.4	< 16	< 0.5	< 10	< 0.49	< 1.6	NA	NA	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 0.31
Carbon disulfide	200	1000	< 7.5	< 7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 3.3	< 3.3	< 26	< 0.8	< 16	< 0.28	< 1.3	NA	NA	NA	< 0.26	NA	NA	< 0.26	NA	< 0.26	< 0.26
Chloroform	0.6	6	< 25.5	< 25.5	< 6.4	***0.78***	< 4	***0.93 J***	< 1	NA	NA	NA	***0.89 J***	NA	NA	< 0.2	NA	< 0.2	< 0.2
Chloromethane	3	30	< 43.8	< 43.8	< 9.6	< 0.3	< 6	< 0.24	< 0.9	NA	NA	NA	< 0.18	NA	NA	< 0.18	NA	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	***25.6***	***24.9***	***510***	***310***	***300***	***350***	***520***	NA	NA	NA	***290***	NA	NA	***200***	NA	***54***	***210***
Dichlorodifluoromethane	200	1000	< 10	< 10	< 16	< 0.5	< 10	< 0.26	< 1	NA	NA	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 0.2
Ethylbenzene	140	700	< 4.4	< 4.4	< 16	< 0.5	< 10	< 0.14	< 0.65	NA	NA	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 7.9	< 7.9	< 6.4	< 0.2	< 4	< 0.21	< 0.7	NA	NA	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.14
m,p-Xylene	400	2000	< 9.3	< 9.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 24.9	< 24.9	< 16	< 0.5	< 10	< 0.28	< 1.2	NA	NA	NA	< 0.24	NA	NA	< 0.24	NA	< 0.24	< 0.24
Methylene chloride	0.5	5	< 11.6	< 11.6	< 32	< 1	< 20	< 0.63	< 3.4	NA	NA	NA	< 0.68	NA	NA	< 0.68	NA	< 0.68	< 0.68
Naphthalene	10	100	< 23.5	< 23.5	< 8	< 0.25	< 5	< 0.24	< 0.8	NA	NA	NA	< 0.16	NA	NA	< 0.16	NA	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 14.2	< 14.2	< 6.4	< 0.2	< 4	< 0.21	< 0.65	NA	NA	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.13
n-Hexane	120	600	< 34.2	< 34.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 16.2	< 16.2	< 16	< 0.5	< 10	< 0.19	< 0.65	NA	NA	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.13
o-Xylene	400	2000	< 5.2	< 5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 16.0	< 16.0	< 6.4	< 0.2	< 4	< 0.24	< 0.85	NA	NA	NA	< 0.17	NA	NA	< 0.17	NA	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 17.0	< 17.0	< 8	< 0.25	< 5	< 0.19	< 0.75	NA	NA	NA	< 0.15	NA	NA	< 0.15	NA	< 0.15	< 0.15
Styrene	10	100	< 9.3	< 9.3	< 16	< 0.5	< 10	< 0.26	< 0.5	NA	NA	NA	< 0.1	NA	NA	< 0.1	NA	< 0.1	< 0.1
tert-Butylbenzene	NE	NE	< 6.1	< 6.1	< 6.4	< 0.2	< 4	< 0.24	< 0.7	NA	NA	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***1270***	***1220***	***1700***	***1500***	***1200***	***1100***	***1800***	NA	NA	NA	***660***	NA	NA	***760***	NA	***150***	***740***
Toluene	160	800	< 3.4	< 3.4	< 16	< 0.5	< 10	< 0.15	< 0.55	NA	NA	NA	< 0.11	NA	NA	< 0.11	NA	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 21.8	< 21.8	< 16	6.6	< 10	5.9	7.7	NA	NA	NA	6.0	NA	NA	4.0	NA	1.1	4.2
Trichloroethene	0.5	5	***90.1***	***87.4***	***270***	***200***	***170***	***160***	***250***	NA	NA	NA	***140***	NA	NA	***130***	NA	***30***	***120***
Trichlorofluoromethane	698	3490	< 4.3	< 4.3	< 64	< 2	< 40	< 0.22	< 0.95	NA	NA	NA	< 0.19	NA	NA	< 0.19	NA	< 0.19	< 0.19
Vinyl chloride	0.02	0.2	< 3.5	< 3.5	< 6.4	< 0.2	< 4	< 0.13	< 0.5	NA	NA	NA	< 0.1	NA	NA	< 0.1	NA	< 0.1	< 0.1
Xylenes, Total	400	2000	< 30.0	< 30.0	< 16	< 0.5	< 10	< 0.3	< 0.34	NA	NA	NA	< 0.068	NA	NA	< 0.068	NA	< 0.068	< 0.068
Total PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Dissolved PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																			
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	1700	2100	2400	2200	2000	480	4400	4200	5200	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D[3]	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D[3]	MW-3D	MW-3D	MW-3D[3]	MW-3D	MW-3D[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft	48 - 53 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/16/2013	10/10/2013	04/18/2014	10/16/2014	04/14/2015	10/21/2015	01/25/2016	04/22/2016	04/22/2016	07/20/2016	10/13/2016	1/19/2017	04/12/2017	10/05/2017	04/06/2018	04/06/2018	10/12/2018	04/09/2019	04/09/2019	10/14/2019	10/14/2019
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 0.25	< 0.50	< 0.50	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 0.11	< 0.54	< 1.1	< 0.27	< 2.7
1,1,1-Trichloroethane	40	200	< 0.4	< 0.2	< 0.40	< 0.40	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0	< 0.10	< 0.49	< 0.98	< 0.24	< 2.4
1,1,2-Trichloroethane	0.5	5	< 0.56	< 0.28	< 0.56	< 0.56	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0	< 0.10	< 1.1	< 2.2	< 0.55	< 5.5
1,1-Dichloroethene	0.7	7	< 0.62	< 0.31	< 0.62	< 0.62	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4	< 0.14	< 0.49	< 0.98	< 0.24	< 2.4
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.14	< 0.28	< 0.28	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.60	< 0.060	< 1.7	< 3.4	< 0.84	< 8.4
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.36	< 0.72	< 0.72	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 1.3	< 0.13	< 1.7	< 3.3	< 0.83	< 8.3
1,2-Dichlorobenzene	60	600	< 0.54	< 0.27	< 0.54	< 0.54	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.76	< 0.076	< 1.4	< 2.8	< 0.71	< 7.1
1,2-Dichloroethane	0.5	5	< 0.56	< 0.28	< 0.56	< 0.56	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.78	< 0.078	< 0.56	< 1.1	< 0.28	< 2.8
1,2-Dichloropropane	0.5	5	< 0.4	< 0.2	< 0.40	< 0.40	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0	< 0.10	< 0.57	< 1.1	< 0.28	< 2.8
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.24	< 0.48	< 0.48	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	0.18 BJ	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.45	< 0.045	< 1.3	< 2.5	< 0.63	< 6.3
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.31	< 0.62	< 0.62	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	0.16 BJ	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.77	< 0.077	< 1.9	< 3.8	< 0.95	< 9.5
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.18	< 0.36	< 0.36	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.75	< 0.075	< 1.7	< 3.5	< 0.87	< 8.7
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	< 3.0	4.0 J	5.7 J	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 30	< 3.0	< 5.9	< 11.7	< 2.9	< 29.4
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 9.5	< 0.95	< 4.9	< 9.8	< 2.5	< 24.6
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 7.7	< 0.77	< 3.1	< 6.1	< 1.5	< 15.3
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	< 3.4	14 J	15 J	< 3.4	12 J	33	18 BJ	40	7.5 J+	42 J+	< 3.4	< 5.5	< 11.0	< 2.7	< 27.4
Benzene	0.5	5	< 0.15	0.36 J	< 0.15	***0.55 J***	0.40 J	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	0.36 BJ	0.34 J	0.38 J	0.21 J	< 0.89	0.15 J	< 0.49	< 0.99	< 0.25	< 2.5
Bromodichloromethane	0.06	0.6	< 0.34	< 0.17	< 0.34	< 0.34	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.77	< 0.077	< 0.73	< 1.5	< 0.36	< 3.6
Bromoform	0.44	4.4	< 0.56	< 0.28	< 0.56	< 0.56	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.88	< 0.088	< 7.9	< 15.9	< 4.0	< 39.7
Bromomethane	1	10	< 0.62	< 0.31	< 0.62	< 0.62	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 5.9	< 0.59	< 1.9	< 3.9	< 0.97	< 9.7
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.18 J	0.44 J	0.38 J	0.39 J	0.14 J	< 0.053	< 0.053	< 0.53	< 0.053	< 0.75	< 1.5	< 0.37	< 3.7
Carbon tetrachloride	0.5	5	< 0.52	< 0.26	< 0.52	< 0.52	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.38	< 0.038	< 0.33	< 0.66	< 0.17	< 1.7
Chloroform	0.6	6	< 0.4	***0.85 J***	< 0.40	< 0.40	***0.88 J***	***0.90 J***	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.19 BJ	< 0.062	0.43 J	0.39 J	***0.90 J***	< 0.31 U	< 2.5	< 5.1	< 1.3	< 12.7
Chloromethane	3	30	< 0.36	< 0.18	< 0.36	< 0.36	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	< 0.16	0.31 BJ	0.30 BJ	0.18 J+	2.1	< 0.16	< 1.6	< 0.35 U	< 4.4	< 8.8	< 2.2	< 21.9
cis-1,2-Dichloroethene	7	70	***200***	***180***	***170***	***170***	***82***	***48***	0.87	0.77	0.69	***13***	3.6	***7.3***	***10***	1.7	***44***	***43***	***39***	***52.9***	***43.4***	***68.3***	***63.3***
Dichlorodifluoromethane	200	1000	< 0.4	< 0.2	< 0.40	< 0.40	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 0.11	< 1.0	< 2.0	< 0.50	< 5.0
Ethylbenzene	140	700	< 0.26	< 0.13	< 0.26	< 0.26	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.54	< 0.054	< 0.44	< 0.87	< 0.22	< 2.2
Isopropylbenzene	NE	NE	< 0.28	< 0.14	< 0.28	< 0.28	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	0.11 J	0.12 J	< 0.81	< 0.081	< 0.79	< 1.6	< 0.39	< 3.9
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.060 J	< 0.57	< 0.057	< 0.93	< 1.9	< 0.47	< 4.7
Methyl tert-butyl ether	12	60	< 0.48	< 0.24	< 0.48	< 0.48	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4	< 0.14	< 2.5	< 5.0	< 1.2	< 12.5
Methylene chloride	0.5	5	< 1.4	< 0.68	< 1.4	< 1.4	< 0.68	< 1.6	0.33 J	< 0.14	< 0.14	< 0.14	0.31 J	0.45 BJ	< 0.14	< 0.14	< 0.14	***1.5 J+***	< 0.25 U	< 1.2	< 2.3	< 0.58	< 5.8
Naphthalene	10	100	< 0.32	< 0.16	< 0.32	< 0.32	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	0.31 BJ	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.88	< 0.088	< 2.4	< 4.7	< 1.2	< 11.8
n-Butylbenzene	NE	NE	< 0.26	< 0.13	< 0.26	< 0.26	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4	< 0.14	< 1.4	< 2.8	< 0.71	< 7.1
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.21 J	< 0.21	< 0.21	< 2.1	< 0.21	< 3.4	< 6.8	< 1.7	< 17.1
n-Propylbenzene	NE	NE	< 0.26	< 0.13	< 0.26	< 0.26	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 1.0	< 0.10	< 1.6	< 3.2	< 0.81	< 8.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.58	< 0.058	< 0.52	< 1.0	< 0.26	< 2.6
p-Isopropyltoluene	NE	NE	< 0.34	< 0.17	< 0.34	< 0.34	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.85	< 0.085	< 1.6	< 3.2	< 0.80	< 8.0
sec-Butylbenzene	NE	NE	< 0.3	< 0.15	< 0.30	< 0.30	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 1.3	< 0.13	< 1.7	< 3.4	< 0.85	< 8.5
Styrene	10	100	< 0.2	< 0.1	< 0.20	< 0.20	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	0.15 J	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.65	< 0.065	< 0.93	< 1.9	< 0.47	< 4.7
tert-Butylbenzene	NE	NE	< 0.28	< 0.14	< 0.28	< 0.28	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 1.2	< 0.12	< 0.61	< 1.2	< 0.30	< 3.0
Tetrachloroethene	0.5	5	***920***	***620***	***730***	***1100***	***850***	***140***	***3.5***	***2.3***	***1.8***	***4.1***	***13***	***5.4 B***	0.43 BJ	***13 B***	***310***	***330***	***260***	***333***	***263***	***645***	***627***
Toluene	160	800	< 0.22	< 0.11	< 0.22	< 0.22	< 0.11	< 0.15	0.12 J	< 0.053	< 0.053	0.11 J	< 0.053	0.44 BJ	0.10 J	< 0.053	0.10 J	< 0.53	0.060 J	< 0.34	< 0.69	< 0.17	< 1.7
trans-1,2-Dichloroethene	20	100	4.8	5.2	6.4	9.3	4.3	3.1	< 0.11	< 0.11	< 0.11	0.17 J	< 0.11	< 0.11	< 0.11	< 0.11	3.4 J	4.3 J+	0.90	< 2.2	< 4.4	1.3 J	< 10.9
Trichloroethene	0.5	5	***130***	***100***	***130***	***170***	***92***	***51***	***0.86***	***0.63***	***0.5***	***2.2***	***3.9***	***11***	***4.4***	***2***	***43***	***40***	***32***	***41***	***34***	***68.7***	***61.7***
Trichlorofluoromethane	698	3490	< 0.38	< 0.19	< 2.0	< 2.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 5	< 0.13	< 0.43	< 0.86	< 0.21	< 2.1
Vinyl chloride	0.02	0.2	< 0.2	< 0.1	< 0.20	< 0.20	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	***0.56***	< 1.6	< 0.16	< 0.35	< 0.70	< 0.17	< 1.7
Xylenes, Total	400	2000	< 0.14	< 0.068	< 0.14	< 0.14	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 1.2	< 0.12	< 3.0	< 6.0	< 1.5	< 15.0
Total PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																							
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1090	2060	2020	736	698
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.0	4.4	4.6	1.2 J	2.0

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[1]	MW-3D2[1]	MW-3D2[3]	MW-3D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/31/2009	04/07/2010	07/01/2010	10/01/2010	03/30/2011	04/12/2012	04/12/2012	11/30/2012	11/30/2012	12/19/2012	12/28/2012	01/03/2013	01/16/2013	01/16/2013	01/31/2013	02/12/2013	02/12/2013	02/28/2013	03/13/2013	04/16/2013	04/16/2013	07/16/2013
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 6.3	< 13	< 13	< 0.25	< 13	< 1.6	< 1.6	< 1.3	< 1.3	NA	NA	NA	< 0.5	< 0.5	NA	< 0.25	< 0.5	NA	< 0.25	< 0.25	< 0.5	< 0.25
1,1,1-Trichloroethane	40	200	< 13	< 25	< 25	< 0.5	< 25	< 1.3	< 1.3	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
1,1,2-Trichloroethane	0.5	5	< 6.3	< 13	< 13	< 0.25	< 13	< 1.5	< 1.5	< 1.4	< 1.4	NA	NA	NA	< 0.56	< 0.56	NA	< 0.28	< 0.56	NA	< 0.28	< 0.28	< 0.56	< 0.28
1,1-Dichloroethene	0.7	7	< 13	< 25	< 25	< 0.5	< 25	< 1.5	< 1.5	< 1.6	< 1.6	NA	NA	NA	< 0.62	< 0.62	NA	< 0.31	< 0.62	NA	< 0.31	< 0.31	< 0.62	< 0.31
1,2,4-Trimethylbenzene	96	480	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 0.7	< 0.7	NA	NA	NA	< 0.28	< 0.28	NA	< 0.14	< 0.28	NA	< 0.14	< 0.14	< 0.28	< 0.14
1,2-Dibromoethane	0.005	0.05	< 5	< 10	< 10	< 0.2	< 10	< 2.3	< 2.3	< 1.8	< 1.8	NA	NA	NA	< 0.72	< 0.72	NA	< 0.36	< 0.72	NA	< 0.36	< 0.36	< 0.72	< 0.36
1,2-Dichlorobenzene	60	600	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 1.4	< 1.4	NA	NA	NA	< 0.54	< 0.54	NA	< 0.27	< 0.54	NA	< 0.27	< 0.27	< 0.54	< 0.27
1,2-Dichloroethane	0.5	5	< 13	< 25	< 25	< 0.5	< 25	< 1.4	< 1.4	< 1.4	< 1.4	NA	NA	NA	< 0.56	< 0.56	NA	< 0.28	< 0.56	NA	< 0.28	< 0.28	< 0.56	< 0.28
1,2-Dichloropropane	0.5	5	< 13	< 25	< 25	< 0.5	< 25	< 1.8	< 1.8	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 6.3	< 13	< 13	< 0.25	< 13	< 1.8	< 1.8	< 1.2	< 1.2	NA	NA	NA	< 0.48	< 0.48	NA	< 0.24	< 0.48	NA	< 0.24	< 0.24	< 0.48	< 0.24
1,2,4-Trichlorobenzene	14	70	< 6.3	< 13	< 13	< 0.25	< 13	< 1.1	< 1.1	< 1.6	< 1.6	NA	NA	NA	< 0.62	< 0.62	NA	< 0.31	< 0.62	NA	< 0.31	< 0.31	< 0.62	< 0.31
1,3,5-Trimethylbenzene	96	480	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.9	< 0.9	NA	NA	NA	< 0.36	< 0.36	NA	< 0.18	< 0.36	NA	< 0.18	< 0.18	< 0.36	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 5	< 10	< 10	< 0.2	< 10	< 0.6	< 0.6	< 0.37	< 0.37	NA	NA	NA	< 0.15	< 0.15	NA	< 0.074	< 0.15	NA	< 0.074	< 0.074	< 0.15	< 0.074
Bromodichloromethane	0.06	0.6	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.85	< 0.85	NA	NA	NA	< 0.34	< 0.34	NA	< 0.17	< 0.34	NA	< 0.17	< 0.17	< 0.34	< 0.17
Bromoform	0.44	4.4	< 5	< 10	< 10	< 0.2	< 10	< 2.3	< 2.3	< 1.4	< 1.4	NA	NA	NA	< 0.56	< 0.56	NA	< 0.28	< 0.56	NA	< 0.28	< 0.28	< 0.56	< 0.28
Bromomethane	1	10	< 13	< 25	< 25	< 0.5	< 25	< 2.5	< 2.5	< 1.6	< 1.6	NA	NA	NA	< 0.62	< 0.62	NA	< 0.31	< 0.62	NA	< 0.31	< 0.31	< 0.62	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 20	< 40	< 40	< 0.8	< 40	< 1.4	< 1.4	< 1.3	< 1.3	NA	NA	NA	< 0.52	< 0.52	NA	< 0.26	< 0.52	NA	< 0.26	< 0.26	< 0.52	< 0.26
Chloroform	0.6	6	< 5	< 10	< 10	0.37	< 10	< 1.3	< 1.3	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
Chloromethane	3	30	< 7.5	< 15	< 15	< 0.3	< 15	< 1.2	< 1.2	< 0.9	< 0.9	NA	NA	NA	< 0.36	< 0.36	NA	< 0.18	< 0.36	NA	< 0.18	< 0.18	< 0.36	< 0.18
cis-1,2-Dichloroethene	7	70	***520***	***510***	***460***	***400***	***440***	***440***	***440***	***420***	***400***	NA	NA	NA	***320***	***300***	NA	***250***	***260***	NA	***100***	***45***	< 0.24	***10***
Dichlorodifluoromethane	200	1000	< 13	< 25	< 25	< 0.5	< 25	< 1.3	< 1.3	< 1	< 1	NA	NA	NA	< 0.4	< 0.4	NA	< 0.2	< 0.4	NA	< 0.2	< 0.2	< 0.4	< 0.2
Ethylbenzene	140	700	< 13	< 25	< 25	< 0.5	< 25	< 0.7	< 0.7	< 0.65	< 0.65	NA	NA	NA	< 0.26	< 0.26	NA	< 0.13	< 0.26	NA	< 0.13	< 0.13	< 0.26	< 0.13
Isopropylbenzene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 0.7	< 0.7	NA	NA	NA	< 0.28	< 0.28	NA	< 0.14	< 0.28	NA	< 0.14	< 0.14	< 0.28	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 13	< 25	< 25	< 0.5	< 25	< 1.4	< 1.4	< 1.2	< 1.2	NA	NA	NA	< 0.48	< 0.48	NA	< 0.24	< 0.48	NA	< 0.24	< 0.24	< 0.48	< 0.24
Methylene chloride	0.5	5	< 25	< 50	< 50	< 1	< 50	< 3.2	< 3.2	< 3.4	< 3.4	NA	NA	NA	< 1.4	< 1.4	NA	***7.3***	< 1.4	NA	< 0.68	< 0.68	< 1.4	< 0.68
Naphthalene	10	100	< 6.3	< 13	***240***	< 0.25	***13***	< 1.2	< 1.2	< 0.8	< 0.8	NA	NA	NA	< 0.32	< 0.32	NA	< 0.16	< 0.32	NA	< 0.16	< 0.16	< 0.32	< 0.16
n-Butylbenzene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.1	< 1.1	< 0.65	< 0.65	NA	NA	NA	< 0.26	< 0.26	NA	< 0.13	< 0.26	NA	< 0.13	< 0.13	< 0.26	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 13	< 25	< 25	< 0.5	< 25	< 0.95	< 0.95	< 0.65	< 0.65	NA	NA	NA	< 0.26	< 0.26	NA	< 0.13	< 0.26	NA	< 0.13	< 0.13	< 0.26	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.85	< 0.85	NA	NA	NA	< 0.34	< 0.34	NA	< 0.17	< 0.34	NA	< 0.17	< 0.17	< 0.34	< 0.17
sec-Butylbenzene	NE	NE	< 6.3	< 13	< 13	< 0.25	< 13	< 0.95	< 0.95	< 0.75	< 0.75	NA	NA	NA	< 0.3	< 0.3	NA	< 0.15	< 0.3	NA	< 0.15	< 0.15	< 0.3	< 0.15
Styrene	10	100	< 13	< 25	< 25	< 0.5	< 25	< 1.3	< 1.3	< 0.5	< 0.5	NA	NA	NA	< 0.2	< 0.2	NA	< 0.1	< 0.2	NA	< 0.1	< 0.1	< 0.2	< 0.1
tert-Butylbenzene	NE	NE	< 5	< 10	< 10	< 0.2	< 10	< 1.2	< 1.2	< 0.7	< 0.7	NA	NA	NA	< 0.28	< 0.28	NA	< 0.14	< 0.28	NA	< 0.14	< 0.14	< 0.28	< 0.14
Tetrachloroethene	0.5	5	***4900***	***4400***	***3900***	***3900***	***3800***	***2600***	***2600***	***2800***	***2800***	NA	NA	NA	***1200***	***1100***	NA	***1700***	***1700***	NA	***800***	***850***	***710***	***440***
Toluene	160	800	< 13	< 25	< 25	< 0.5	< 25	< 0.75	< 0.75	< 0.55	< 0.55	NA	NA	NA	< 0.22	< 0.22	NA	< 0.11	< 0.22	NA	< 0.11	< 0.11	< 0.22	< 0.11
trans-1,2-Dichloroethene	20	100	< 13	< 25	< 25	7.0	< 25	6.4	5.8	5.6	5.6	NA	NA	NA	4.9	4.5	NA	3.2	3.5	NA	0.62 J	< 0.25	< 0.5	< 0.25
Trichloroethene	0.5	5	***280***	***240***	***240***	***240***	***230***	***190***	***190***	***190***	***180***	NA	NA	NA	***110***	***120***	NA	***120***	***120***	NA	***50***	***24***	< 0.38	***8.7***
Trichlorofluoromethane	698	3490	< 43	< 100	< 100	< 2	< 100	< 1.1	< 1.1	< 0.95	< 0.95	NA	NA	NA	< 0.38	< 0.38	NA	< 0.19	< 0.38	NA	< 0.19	< 0.19	< 0.38	< 0.19
Vinyl chloride	0.02	0.2	< 5	< 10	< 10	***0.65***	< 10	< 0.65	< 0.65	< 0.5	< 0.5	NA	NA	NA	< 0.2	< 0.2	NA	***0.22 J***	< 0.2	NA	< 0.1	< 0.1	< 0.2	< 0.1
Xylenes, Total	400	2000	< 13	< 25	< 25	< 0.5	< 25	< 1.5	< 1.5	< 0.34	< 0.34	NA	NA	NA	< 0.14	< 0.14	NA	< 0.068	< 0.14	NA	< 0.068	< 0.068	< 0.14	< 0.068
Total PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.093	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																								
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	730	730	1300	1800	1500	1000	NA	870	720	NA	1300	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2[3]	MW-3D2	MW-3D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/16/2013	10/10/2013	10/10/2013	04/16/2014	04/16/2014	10/23/2014	10/23/2014	04/14/2015	04/14/2015	10/22/2015	10/22/2015	01/25/2016	01/25/2016	04/22/2016	07/20/2016	07/20/2016	10/13/2016	10/13/2016	1/19/2017	04/12/2017	10/05/2017	04/06/2018	10/12/2018	10/12/2018	04/09/2019	10/14/2019
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 0.25	< 0.25	< 1.3	< 1.3	< 0.50	< 0.50	< 1.3	< 1.3	< 4.6	< 4.6	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 5.5	< 0.54	< 0.27
1,1,1-Trichloroethane	40	200	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 3.8	< 3.8	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 5.0	< 0.49	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.56	< 0.28	< 0.28	< 1.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 3.5	< 3.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10	< 5.0	< 1.1	< 0.55
1,1-Dichloroethene	0.7	7	< 0.62	< 0.31	< 0.31	< 1.6	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 3.9	< 3.9	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.26 J	< 0.14	< 7.0	< 0.49	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.14	< 0.14	< 0.70	< 0.70	< 0.28	< 0.28	< 0.70	< 0.70	< 3.6	< 3.6	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 3.0	< 1.7	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.36	< 0.36	< 1.8	< 1.8	< 0.72	< 0.72	< 1.8	< 1.8	< 3.9	< 3.9	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 6.5	< 1.7	< 0.83
1,2-Dichlorobenzene	60	600	< 0.54	< 0.27	< 0.27	< 1.4	< 1.4	< 0.54	< 0.54	< 1.4	< 1.4	< 3.3	< 3.3	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 3.8	< 1.4	< 0.71
1,2-Dichloroethane	0.5	5	< 0.56	< 0.28	< 0.28	< 1.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 3.9	< 3.9	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 3.9	< 0.56	< 0.28
1,2-Dichloropropane	0.5	5	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 4.3	< 4.3	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 5.0	< 0.57	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.24	< 0.24	< 1.2	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 4.6	< 4.6	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 2.3	< 1.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.31	< 0.31	< 1.6	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 3.4	< 3.4	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 3.9	< 1.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.18	< 0.18	< 0.90	< 0.90	< 0.36	< 0.36	< 0.90	< 0.90	< 2.5	< 2.5	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 3.8	< 1.7	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 150	< 5.9	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 48	< 4.9	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	2.0 J	< 0.77	< 0.77	< 0.77	< 39	< 3.1	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	14 BJ	25	< 3.4	< 3.4	< 170	< 5.5	< 2.7
Benzene	0.5	5	< 0.15	< 0.074	< 0.074	< 0.37	< 0.37	< 0.15	< 0.15	< 0.37	< 0.37	< 1.5	< 1.5	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 4.5	< 0.49	< 0.25
Bromodichloromethane	0.06	0.6	< 0.34	< 0.17	< 0.17	< 0.85	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 3.7	< 3.7	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 3.9	< 0.73	< 0.36
Bromoform	0.44	4.4	< 0.56	< 0.28	< 0.28	< 1.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 4.8	< 4.8	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 4.4	< 7.9	< 4.0
Bromomethane	1	10	< 0.62	< 0.31	< 0.31	< 1.6	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 8.0	< 8.0	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 30	< 1.9	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	0.14 J	0.35 J	< 0.053	0.22 J	< 0.053	< 0.053	< 0.053	< 2.7	< 0.75	< 0.37
Carbon tetrachloride	0.5	5	< 0.52	< 0.26	< 0.26	< 1.3	< 1.3	< 0.52	< 0.52	< 1.3	< 1.3	< 3.8	< 3.8	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 1.9	< 0.33	< 0.17
Chloroform	0.6	6	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 3.7	< 3.7	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.19 J	< 0.18 U	< 3.1	< 2.5	< 1.3
Chloromethane	3	30	< 0.36	< 0.18	< 0.18	< 0.90	< 0.90	< 0.36	< 0.36	< 0.90	< 0.90	< 3.2	< 3.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.75 BJ	0.63 J	0.52 BJ	< 0.16	***5.1***	< 0.16	< 0.41 U	< 17 U	< 4.4	< 2.2
cis-1,2-Dichloroethene	7	70	***11***	***21***	***20***	***210***	***220***	***230***	***240***	***270***	***230***	***230***	***220***	2.5	2.5	0.84	3.0	3.6	***15***	***17***	***30***	2.1	***34***	***33***	***30***	***27***	***22.6***	***20.4***
Dichlorodifluoromethane	200	1000	< 0.4	< 0.2	< 0.2	< 1.0	< 1.0	< 0.40	< 0.40	< 1.0	< 1.0	< 5.4	< 5.4	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	1.0	1.0	< 5.5	1.0 J	2.9 J
Ethylbenzene	140	700	< 0.26	< 0.13	< 0.13	< 0.65	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 1.8	< 1.8	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 2.7	< 0.44	< 0.22
Isopropylbenzene	NE	NE	< 0.28	< 0.14	< 0.14	< 0.70	< 0.70	< 0.28	< 0.28	< 0.70	< 0.70	< 3.9	< 3.9	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 4.1	< 0.79	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.080 J	< 0.057	< 2.9	< 0.93	< 0.47
Methyl tert-butyl ether	12	60	< 0.48	< 0.24	< 0.24	< 1.2	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 3.9	< 3.9	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 7.0	< 2.5	< 1.2
Methylene chloride	0.5	5	< 1.4	< 0.68	< 0.68	< 3.4	< 3.4	< 1.4	< 1.4	< 3.4	< 3.4	< 16	< 16	0.31 J	0.19 J	< 0.14	< 0.14	< 0.14	< 0.14	***0.68 BJ***	< 0.14	< 0.14	< 0.14	< 0.14	< 0.21 U	< 7.0	< 1.2	< 0.58
Naphthalene	10	100	< 0.32	< 0.16	< 0.16	< 0.80	< 0.80	< 0.32	< 0.32	< 0.80	< 0.80	< 3.4	< 3.4	< 0.088	< 0.088	< 0.088	0.11 BJ	< 0.088	< 0.088	< 0.088	< 0.088	0.09 BJ	< 0.088	< 0.088	< 0.088	< 4.4	< 2.4	< 1.2
n-Butylbenzene	NE	NE	< 0.26	< 0.13	< 0.13	< 0.65	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 3.9	< 3.9	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 7.0	< 1.4	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 11	< 3.4	< 1.7
n-Propylbenzene	NE	NE	< 0.26	< 0.13	< 0.13	< 0.65	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 4.1	< 4.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 5.0	< 1.6	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 2.9	< 0.52	< 0.26
p-Isopropyltoluene	NE	NE	< 0.34	< 0.17	< 0.17	< 0.85	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 3.6	< 3.6	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 4.3	< 1.6	< 0.80
sec-Butylbenzene	NE	NE	< 0.3	< 0.15	< 0.15	< 0.75	< 0.75	< 0.30	< 0.30	< 0.75	< 0.75	< 4.0	< 4.0	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 6.5	< 1.7	< 0.85
Styrene	10	100	< 0.2	< 0.1	< 0.1	< 0.50	< 0.50	< 0.20	< 0.20	< 0.50	< 0.50	< 3.9	< 3.9	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 3.3	< 0.93	< 0.47
tert-Butylbenzene	NE	NE	< 0.28	< 0.14	< 0.14	< 0.70	< 0.70	< 0.28	< 0.28	< 0.70	< 0.70	< 4.0	< 4.0	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 6.0	< 0.61	< 0.30
Tetrachloroethene	0.5	5	***840***	***150***	***150***	***1800***	***1700***	***1700***	***1700***	***1800***	***1800***	***2200***	***2200***	***12***	***13***	***7.4***	***18***	***19***	***20***	***18***	***14***	***2.3 B***	***0.92 B***	***610***	***490***	***480***	***300***	***280***
Toluene	160	800	< 0.22	< 0.11	< 0.11	< 0.55	< 0.55	< 0.22	< 0.22	< 0.55	< 0.55	< 1.5	< 1.5	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	0.11 BJ	< 0.053	< 0.053	0.080 J	< 0.053	< 2.7	< 0.34	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.5	0.52 J	< 0.25	3.1 J	3.9 J	3.0	3.3	4.6 J	< 1.3	< 3.5	< 3.5	< 0.11	0.11 J	< 0.11	0.13 J	0.13 J	0.22 J	0.17 J	0.22 J	< 0.11	0.28 J	0.68	0.48 J	< 5.5	< 2.2	< 1.1
Trichloroethene	0.5	5	***12***	***9.8***	***9.9***	***120***	***130***	***140***	***140***	***160***	***140***	***130***	***130***	***2.4***	***2.5***	***0.84***	***2.4***	***2.7***	***6.7***	***7.2***	***19***	***4.4***	***0.8***	***86***	***39***	***38***	***19.8***	***15.6***
Trichlorofluoromethane	698	3490	< 0.38	< 0.19	< 0.19	< 5.0	< 5.0	< 2.0	< 2.0	< 5.0	< 5.0	< 10	< 10	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.13	< 6.5	< 0.43	< 0.21
Vinyl chloride	0.02	0.2	< 0.2	< 0.1	< 0.1	< 0.50	< 0.50	< 0.20	< 0.20	< 0.50	< 0.50	< 2.0	< 2.0	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	***0.17 J***	< 0.16	< 0.16	< 0.16	***0.30 J***	< 0.16	< 8.0	< 0.35	< 0.17
Xylenes, Total	400	2000	< 0.14	< 0.068	< 0.068	< 0.34	< 0.34	< 0.14	< 0.14	< 0.34	< 0.34	< 2.2	< 2.2	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 5.8	< 3.0	< 1.5
Total PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																											
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-3D3	MW-3D3[3]	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3	MW-3D3
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft	214 - 224 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/24/2012	07/24/2012	11/27/2012	12/19/2012	12/31/2012	01/03/2013	01/18/2013	01/31/2013	02/15/2013	02/27/2013	03/13/2013	04/19/2013	07/16/2013	10/07/2013	04/16/2014	10/16/2014	04/13/2015	10/19/2015	10/13/2016	10/05/2017	10/12/2018	10/14/2019
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060 J-	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	NA	NA	NA	< 0.36	NA	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	NA	NA	NA	< 0.27	NA	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075 J-	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	NA	NA	NA	0.30 J	NA	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31 *	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.79 BJ	0.58 J	< 0.35 U	< 2.2
cis-1,2-Dichloroethene	7	70	2.2	2.2	6.8	NA	NA	NA	***15***	NA	***7.7***	NA	6.2	4.0	1.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	< 0.27
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	NA	NA	NA	< 0.68	NA	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.24 U	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	NA	NA	NA	< 0.16	NA	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	0.1 BJ	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085 J-	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	NA	NA	NA	< 0.15	NA	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***6.6***	***6.6***	***1.7***	NA	NA	NA	***1.3***	NA	***0.72 J***	NA	***0.95 J***	***0.63 J***	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	0.49 J	0.15 BJ	***0.5***	< 0.33
Toluene	160	800	< 0.11	< 0.11	< 0.11	NA	NA	NA	0.21 J	NA	< 0.11	NA	< 0.11	0.53	2.8	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.10 J	0.07 J	< 0.053	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 1.1
Trichloroethene	0.5	5	***1.1***	***1.2***	***1.1***	NA	NA	NA	0.40 J	NA	< 0.19	NA	< 0.19	< 0.19	0.31 J	***0.5***	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.26
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	NA	NA	NA	< 0.19	NA	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	NA	NA	NA	< 0.068	NA	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12	< 1.5
Total PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.096	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																								
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	410	350	360	320	300	340	380	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-4S	MW-4S[3]	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S[3]	MW-4S	MW-4S	MW-4S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	04/08/2010	03/30/2011	04/10/2012	01/15/2013	04/18/2013	07/18/2013	10/08/2013	04/17/2014	10/17/2014	10/05/2017	04/04/2018	04/04/2018	10/11/2018	04/11/2019	10/11/2019
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA
Bromomethane	1	10	< 0.5	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA	NA	NA	NA	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	< 0.3	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	NA	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	< 1	< 1	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	NA	NA	NA	NA
Naphthalene	10	100	1.4	1.4	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA	NA	NA
Styrene	10	100	< 0.5	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	***1.5***	***1.7***	***1.6***	***0.96 J***	***1.4***	***1.8***	***0.90 J***	***1.2***	***1.9***	***1.4***	NA	NA	NA	NA	NA	NA
Toluene	160	800	< 0.5	< 0.5	< 0.5	0.20 J	< 0.11	< 0.11	0.26 J	< 0.11	< 0.11	< 0.11	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	698	3490	< 2	< 2	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	0.28 J	< 0.068	< 0.068	< 0.068	NA	NA	NA	NA	NA	NA
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.035	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.037	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.038	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	< 0.02	< 0.020	< 0.020	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3750	2960	2910	1750	2260	2150
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	1.0 J	< 2.0	1.6 J	< 0.95

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D[3]	MW-4D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft	65 - 70 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	03/30/2011	04/10/2012	01/16/2013	04/18/2013	07/17/2013	10/08/2013	04/17/2014	10/17/2014	10/12/2017	04/04/2018	10/11/2018	04/11/2019	04/11/2019	10/11/2019
VOCs																	
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA	NA	NA	NA	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	NA	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	< 1	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	NA	NA	NA	NA
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA	NA	NA
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	***0.9***	***0.7***	< 0.22	< 0.17	***0.51 J***	< 0.17	< 0.17	***0.58 J***	< 0.17	NA	NA	NA	NA	NA	NA
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.11	< 0.11	0.36 J	< 0.11	< 0.11	< 0.11	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	698	3490	< 2	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	NA	NA	NA	NA	NA	NA
Total PCBs																	
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.0072	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.093	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.0042	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.013	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	< 0.02	< 0.020	< 0.011	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Dissolved PCBs																	
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																	
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	672	714	600	894	820	944
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	1.2 J	< 2.0	1.4 J	< 0.95	< 0.95

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2[3]	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft	91 - 96 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	03/30/2011	04/10/2012	01/16/2013	04/18/2013	07/18/2013	10/07/2013	04/17/2014	10/17/2014	10/21/2015	01/22/2016	04/20/2016	07/19/2016	07/19/2016	10/12/2016	1/19/2017	04/11/2017	10/05/2017	04/04/2018	10/11/2018	04/11/2019	10/11/2019
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
1,1,1-Trichloroethane	40	200	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.38	< 0.10	0.13 J	0.17 J	0.18 J	0.27 J	0.24 J	0.30 J	< 0.1	0.38 J	< 0.10	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.17 J	< 0.14	< 0.24	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.87	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 2.9	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 1.5	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 2.7	< 2.7
Benzene	0.5	5	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	0.34 J	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.36	< 0.36
Bromoform	0.44	4.4	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 4.0	< 4.0
Bromomethane	1	10	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 1.1 U	< 0.97	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.17	< 0.17
Chloroform	0.6	6	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 1.3	< 1.3
Chloromethane	3	30	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	0.20 J	0.18 J	0.52 BJ	0.26 BJ	< 0.16	0.93 J	< 0.16	< 0.67 U	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
Dichlorodifluoromethane	200	1000	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.50	< 0.50
Ethylbenzene	140	700	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.40 J	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.39	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.2	< 1.2
Methylene chloride	0.5	5	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.35 U	< 0.58	< 0.58
Naphthalene	10	100	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.13 BJ	< 0.088	< 0.088	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.71	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.81	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.85	< 0.85
Styrene	10	100	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.30	< 0.30
Tetrachloroethene	0.5	5	***1.9***	***0.73 J***	***1.2***	***0.92 J***	***1.2***	***0.84 J***	***1.5***	***1***	0.48 J	***0.8***	***0.76***	0.45 J	***0.55***	***0.65***	0.38 BJ	0.46 BJ	***0.61 B***	0.31 J	0.24 J	***1.1 J***	< 0.33 U
Toluene	160	800	< 0.5	0.40 J	< 0.11	0.45 J	0.39 J	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.13 J	0.11 BJ	< 0.053	< 0.053	0.10 J	< 0.053	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 1.1
Trichloroethene	0.5	5	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.26	< 0.26
Trichlorofluoromethane	698	3490	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.13	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17
Xylenes, Total	400	2000	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	1.8	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 1.5	< 1.5
Total PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	< 0.087	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																							
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5S	MW-5S	MW-5S	MW-5S[3]	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft	34 - 44 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	10/01/2010	04/12/2012	04/12/2012	11/28/2012	01/17/2013	02/13/2013	04/19/2013	07/18/2013	10/04/2013	04/15/2014	10/21/2014	04/13/2015	10/21/2015	10/12/2016	10/04/2017	10/12/2018	04/10/2019	10/10/2019
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.22	< 0.11	< 0.22	NA	< 0.27
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.20	< 0.1	< 0.20	NA	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.20	< 0.1	< 0.20	NA	< 0.55
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.29	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.28	< 0.14	< 0.28	NA	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.12	< 0.06	< 0.12	NA	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.26	< 0.13	< 0.26	NA	< 0.83
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.15	< 0.076	< 0.15	NA	< 0.71
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.16	< 0.078	< 0.16	NA	< 0.28
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.20	< 0.1	< 0.20	NA	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.090	< 0.045	< 0.090	NA	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.15	< 0.077	< 0.15	NA	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.15	< 0.075	< 0.15	NA	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 3	< 6.0	NA	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 0.95	< 1.9	NA	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 0.77	< 1.5	NA	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	3.5 J	< 6.8	NA	< 2.7
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	0.40 J	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.18	< 0.089	< 0.18	NA	< 0.25
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.15	< 0.077	< 0.15	NA	< 0.36
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.18	< 0.088	< 0.18	NA	< 4.0
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.49	< 0.31	0.73 J	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 1.2	< 0.59	< 1.2	NA	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.053	< 0.11	NA	< 0.37
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	***1.2***	< 0.28	***1.1***	< 0.26	***1.4***	***1.1***	***1.3***	***1.3***	< 0.26	***0.79 J***	< 0.26	***1***	< 0.076	***0.81***	< 0.076	NA	***0.91 J***
Chloroform	0.6	6	< 0.2	0.55	***0.84 J***	***0.88 J***	***0.79 J***	***0.79 J***	< 0.2	< 0.2	< 0.2	***0.61 J***	< 0.20	< 0.20	< 0.20	< 0.37	< 0.12	< 0.062	< 0.12	NA	< 1.3
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	1.2 BJ	1.3 J	< 0.76 U	NA	< 2.2
cis-1,2-Dichloroethene	7	70	1.4	***10***	***13***	***14***	4.2	3.8	2.7	2.0	2.9	2.9	< 0.12	< 0.12	< 0.12	< 0.41	< 0.22	< 0.11	< 0.22	NA	< 0.27
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.22	< 0.11	< 0.22	NA	< 0.50
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.11	< 0.054	< 0.11	NA	< 0.22
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.16	< 0.081	< 0.16	NA	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	0.06 BJ	< 0.11	NA	< 0.47
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.28	< 0.14	< 0.28	NA	< 1.2
Methylene chloride	0.5	5	< 1	< 1	< 0.63	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.28	< 0.14	< 0.38 U	NA	< 0.58
Naphthalene	10	100	1.4	< 0.25	< 0.24	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.18	< 0.088	< 0.18	NA	< 1.2
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.28	< 0.14	< 0.28	NA	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.21	< 0.42	NA	< 1.7
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.20	< 0.1	< 0.20	NA	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.058	< 0.12	NA	< 0.26
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.17	< 0.085	< 0.17	NA	< 0.80
sec-Butylbenzene	NE	NE	< 0.25	< 0.25	< 0.19	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.26	< 0.13	< 0.26	NA	< 0.85
Styrene	10	100	< 0.5	< 0.5	< 0.26	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.13	< 0.065	< 0.13	NA	< 0.47
tert-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.24	< 0.12	< 0.24	NA	< 0.30
Tetrachloroethene	0.5	5	***41***	***670***	***360***	***370***	***240***	***260***	***210***	***130***	***190***	***170***	***47***	***75***	***100***	***110***	***58***	***46***	***55***	NA	***49.2***
Toluene	160	800	< 0.5	< 0.5	< 0.15	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.22 J	< 0.053	< 0.11	NA	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.5	0.50	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.22	< 0.11	< 0.22	NA	< 1.1
Trichloroethene	0.5	5	***1***	***13***	***9.8***	***10***	***4.7***	***4.4***	***3.8***	***2.8***	***3***	***2.9***	< 0.19	***1.2***	***0.99***	***0.79***	< 0.12	0.15 J	0.22 J	NA	< 0.26
Trichlorofluoromethane	698	3490	< 2	< 2	< 0.22	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 0.26	NA	< 0.21
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.32	< 0.16	< 0.32	NA	< 0.17
Xylenes, Total	400	2000	< 0.5	< 0.5	< 0.3	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.12	< 0.12	< 0.23	NA	< 1.5
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	< 0.091	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	< 0.026
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	960	930	970	NA	NA	NA	NA	NA	NA	NA	NA	NA	784	1060	1050
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	2.4	< 0.95

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D	MW-5D[3]	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D[3]	MW-5D	MW-5D	MW-5D[3]	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft	75 - 80 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	04/07/2010	04/12/2012	11/28/2012	01/17/2013	02/13/2013	04/19/2013	07/18/2013	10/04/2013	04/15/2014	10/21/2014	04/13/2015	10/19/2015	01/21/2016	04/21/2016	04/21/2016	07/18/2016	10/12/2016	10/12/2016	1/18/2017	04/12/2017	10/04/2017	04/03/2018	10/12/2018	04/08/2019	10/10/2019
VOCs																												
1,1,1,2-Tetrachloroethane	7	70	< 5	< 5	< 0.31	< 1.3	< 0.5	< 0.5	< 0.5	< 1.3	< 1.3	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	0.51	< 11	< 11	< 0.55	< 0.22	< 0.11	< 0.55	< 5.4	0.31 J
1,1,1-Trichloroethane	40	200	< 10	< 10	< 0.26	< 1	< 0.4	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10	< 0.50	< 4.9	< 0.24
1,1,2-Trichloroethane	0.5	5	< 5	< 5	< 0.3	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 1.4	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10	< 0.50	< 11.0	< 0.55
1,1-Dichloroethene	0.7	7	< 10	< 10	< 0.29	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 1.6	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 14	< 14	< 0.70	< 0.28	< 0.14	< 0.70	< 4.9	< 0.24
1,2,4-Trimethylbenzene	96	480	< 4	< 4	< 0.22	< 0.7	< 0.28	< 0.28	< 0.28	< 0.7	< 0.7	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 6.0	< 6.0	< 0.30	< 0.12	< 0.060	< 0.30	< 16.8	< 0.84
1,2-Dibromoethane	0.005	0.05	< 4	< 4	< 0.45	< 1.8	< 0.72	< 0.72	< 0.72	< 1.8	< 1.8	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 13	< 13	< 0.65	< 0.26	< 0.13	< 0.65	< 16.6	< 0.83
1,2-Dichlorobenzene	60	600	< 4	< 4	< 0.21	< 1.4	< 0.54	< 0.54	< 0.54	< 1.4	< 1.4	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 7.6	< 7.6	< 0.38	< 0.15	< 0.076	< 0.38	< 14.1	< 0.71
1,2-Dichloroethane	0.5	5	< 10	< 10	< 0.28	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 1.4	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 7.8	< 7.8	< 0.39	< 0.16	< 0.078	< 0.39	< 5.6	< 0.28
1,2-Dichloropropane	0.5	5	< 10	< 10	< 0.36	< 1	< 0.4	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10	< 0.50	< 5.7	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 5	< 5	< 0.36	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	0.23 BJ	< 0.045	< 4.5	< 4.5	< 0.23	< 0.09	< 0.045	< 0.23	< 12.5	< 0.63
1,2,4-Trichlorobenzene	14	70	< 5	< 5	< 0.22	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 1.6	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	0.13 BJ	< 0.077	< 7.7	< 7.7	< 0.39	< 0.15	< 0.077	< 0.39	< 19.0	< 0.95
1,3,5-Trimethylbenzene	96	480	< 4	< 4	< 0.23	< 0.9	< 0.36	< 0.36	< 0.36	< 0.9	< 0.9	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 7.5	< 7.5	< 0.38	< 0.15	< 0.075	< 0.38	< 17.5	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 300	< 300	< 15	< 6	< 3.0	< 15	< 58.7	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 95	< 95	< 4.8	< 1.9	< 0.95	< 4.8	< 49.1	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 77	< 77	< 3.9	< 1.5	< 0.77	< 3.9	< 30.6	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 340	< 340	< 17	< 6.8	< 3.4	< 17	< 54.8	< 2.7
Benzene	0.5	5	< 4	< 4	0.29 J	***1.1 J***	***1.2***	***1***	***0.88 J***	***1.5 J***	***2.8***	0.30 J	0.22 J	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	***5.7***	< 8.9	***9.0 J***	< 0.45	< 0.18	< 0.089	< 0.45	< 4.9	< 0.25
Bromodichloromethane	0.06	0.6	< 4	< 4	< 0.23	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.85	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 7.7	< 7.7	< 0.39	< 0.15	< 0.077	< 0.39	< 7.3	< 0.36
Bromoform	0.44	4.4	< 4	< 4	< 0.45	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 1.4	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 8.8	< 8.8	< 0.44	< 0.18	< 0.088	< 0.44	< 79.4	< 4.0
Bromomethane	1	10	< 10	< 10	< 0.49	< 1.6	< 0.62	< 0.62 *	< 0.62	< 1.6	< 1.6	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 59	< 59	< 3.0	< 1.2	< 0.59	< 3.0	< 19.4	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.11 J	< 0.053	< 0.053	< 5.3	15 J	0.70 J	< 0.11	0.10 J	< 0.27	< 7.5	< 0.37
Carbon tetrachloride	0.5	5	< 16	< 16	< 0.28	< 1.3	< 0.52	< 0.52	< 0.52	< 1.3	< 1.3	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 3.8	< 3.8	< 0.19	< 0.076	< 0.038	< 0.19	< 3.3	0.44 J
Chloroform	0.6	6	< 4	< 4	< 0.25	< 1	***1.0 J***	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	***1***	< 6.2	***11 BJ***	< 0.31	< 0.12	< 0.062	< 0.31	< 25.5	***1.6 J***
Chloromethane	3	30	< 6	< 6	< 0.24	< 0.9	< 0.36	< 0.36	< 0.36	< 0.9	< 0.9	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	< 0.16	0.57 BJ	***100 J***	< 16	< 0.80	1.4 J	< 0.16	< 1.7 U	< 43.8	< 2.2
cis-1,2-Dichloroethene	7	70	***48***	***48***	***26***	***93***	***110***	***94***	***100***	***120***	***140***	***77***	***100***	***190***	***10***	0.94	***11***	***13***	3.0	***210***	***270***	***230***	***13***	4	5.8	***12***	***149***	***85.4***
Dichlorodifluoromethane	200	1000	< 10	< 10	< 0.26	< 1	< 0.4	< 0.4	< 0.4	< 1	< 1	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 11	< 11	< 0.55	< 0.22	< 0.11	< 0.55	< 10	< 0.50
Ethylbenzene	140	700	< 10	< 10	< 0.14	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.65	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 5.4	< 5.4	< 0.27	< 0.11	< 0.054	< 0.27	< 4.4	< 0.22
Isopropylbenzene	NE	NE	< 4	< 4	< 0.21	< 0.7	< 0.28	< 0.28	< 0.28	< 0.7	< 0.7	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 8.1	< 8.1	< 0.41	< 0.16	< 0.081	< 0.41	< 7.9	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 5.7	8.0 BJ	< 0.29	< 0.11	0.060 J	< 0.29	< 9.3	< 0.47
Methyl tert-butyl ether	12	60	< 10	< 10	< 0.28	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	0.75	< 14	< 14	< 0.70	< 0.28	< 0.14	< 0.70	< 24.9	< 1.2
Methylene chloride	0.5	5	< 20	< 20	< 0.63	< 3.4	< 1.4	< 1.4	< 1.4	< 3.4	< 3.4	< 0.68	< 0.68	< 0.68	< 1.6	0.18 J	< 0.14	< 0.14	< 0.14	< 0.14	< 14	***18 BJ***	***1.3 J***	< 0.28	0.17 J	< 0.70	< 11.6	< 0.58
Naphthalene	10	100	< 5	< 5	< 0.24	< 0.8	< 0.32	< 0.32	< 0.32	< 0.8	< 0.8	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	0.22 BJ	< 0.088	< 8.8	< 8.8	< 0.44	< 0.18	< 0.088	< 0.44	< 23.5	< 1.2
n-Butylbenzene	NE	NE	< 4	< 4	< 0.21	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.65	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 14	< 14	< 0.70	< 0.28	< 0.14	< 0.70	< 14.2	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 21	< 21	< 1.1	< 0.42	< 0.21	< 1.1	< 34.2	< 1.7
n-Propylbenzene	NE	NE	< 10	< 10	< 0.19	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.65	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 10	< 10	< 0.50	< 0.2	< 0.10	< 0.50	< 16.2	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 5.8	< 5.8	< 0.29	< 0.12	< 0.058	< 0.29	< 5.2	< 0.26
p-Isopropyltoluene	NE	NE	< 4	< 4	< 0.24	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.85	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 8.5	< 8.5	< 0.43	< 0.17	< 0.085	< 0.43	< 16.0	< 0.80
sec-Butylbenzene	NE	NE	< 5	< 5	< 0.19	< 0.75	< 0.3	< 0.3	< 0.3	< 0.75	< 0.75	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 13	< 13	< 0.65	< 0.26	< 0.13	< 0.65	< 17.0	< 0.85
Styrene	10	100	< 10	< 10	< 0.26	< 0.5	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	0.24 J	< 0.065	< 6.5	< 6.5	< 0.33	< 0.13	< 0.065	< 0.33	< 9.3	< 0.47
tert-Butylbenzene	NE	NE	< 4	< 4	< 0.24	< 0.7	< 0.28	< 0.28	< 0.28	< 0.7	< 0.7	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 12	< 12	< 0.60	< 0.24	< 0.12	< 0.60	< 6.1	< 0.30
Tetrachloroethene	0.5	5	***1100***	***890***	***400***	***2000***	***1800***	***1700***	***1200***	***2000***	***2000***	< 0.17	***8.4***	***66***	***110***	***10***	***7.5***	***7.1***	***8.2***	***3600***	***4100***	***3500***	***190***	***68***	***57***	***150***	***2170***	***1500***
Toluene	160	800	< 10	< 10	0.30 J	< 0.55	< 0.22	< 0.22	< 0.22	< 0.55	< 0.55	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.10 J	11 J	16 BJ	< 0.27	< 0.11	0.060 J	< 0.27	< 3.4	< 0.17
trans-1,2-Dichloroethene	20	100	< 10	< 10	1.3	3.9 J	3.9	3.1	3.4	3.8 J	2.9 J	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	0.11 J	< 0.11	3.6	< 11	< 11	< 0.55	< 0.22	0.28 J	< 0.55	< 21.8	1.7 J
Trichloroethene	0.5	5	***100***	***97***	***48***	***190***	***180***	***180***	***170***	***160***	***110***	< 0.19	***2.5***	***31***	***6.4***	***0.64***	***3***	***3***	***0.7***	***150***	***180***	***120 B***	***9.1***	***3.7***	***3.2***	***7.8***	***72.3***	***48.3***
Trichlorofluoromethane	698	3490	< 40	< 40	< 0.22	< 0.95	< 0.38	< 0.38	< 0.38	< 0.95	< 0.95	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 2.5	< 1	< 0.5	< 0.65	< 4.3	< 0.21
Vinyl chloride	0.02	0.2	< 4	< 4	< 0.13	< 0.5	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 16	< 16	< 0.80	< 0.32	< 0.16	< 0.80	< 3.5	< 0.17
Xylenes, Total	400	2000	< 10	< 10	< 0.3	< 0.34	< 0.14	< 0.14	< 0.14	< 0.34	< 0.34	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 5.8	< 12	< 0.58	< 0.23	< 0.12	< 0.58	< 30.0	< 1.5
Total PCBs																												
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0072	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.011	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Dissolved PCBs																												
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																												
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	980	930	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	708	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2[3]	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2	MW-5D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft	165.8 - 170.8 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/30/2012	01/17/2013	02/13/2013	04/19/2013	07/18/2013	10/09/2013	04/15/2014	10/21/2014	04/15/2015	10/22/2015	01/21/2016	01/21/2016	04/21/2016	07/18/2016	10/12/2016	1/20/2017	04/12/2017	10/04/2017	04/03/2018	10/12/2018	04/10/2019
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	NA	< 0.25	< 0.25	< 0.25	< 0.5	< 0.25	< 0.50	< 0.25	< 0.50	< 0.92	< 1.1	< 1.1	< 4.4	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2	< 0.55	< 5.5	< 5.4
1,1,1-Trichloroethane	40	200	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 0.76	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50	< 5.0	< 4.9
1,1,2-Trichloroethane	0.5	5	NA	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.56	< 0.70	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50	< 5.0	< 11.0
1,1-Dichloroethene	0.7	7	NA	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.62	< 0.78	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	< 2.8	< 2.8	< 2.8	< 0.70	< 7.0	< 4.9
1,2,4-Trimethylbenzene	96	480	NA	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.28	< 0.72	< 0.60	< 0.60	< 2.4	< 0.60	< 1.2	< 1.2	< 1.2	< 1.2	< 0.30	< 3.0	< 16.8
1,2-Dibromoethane	0.005	0.05	NA	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.72	< 0.36	< 0.72	< 0.77	< 1.3	< 1.3	< 5.2	< 1.3	< 2.6	< 2.6	< 2.6	< 2.6	< 0.65	< 6.5	< 16.6
1,2-Dichlorobenzene	60	600	NA	< 0.27	< 0.27	< 0.27	< 0.54	< 0.27	< 0.54	< 0.27	< 0.54	< 0.67	< 0.76	< 0.76	< 3.0	< 0.76	< 1.5	< 1.5	< 1.5	< 1.5	< 0.38	< 3.8	< 14.1
1,2-Dichloroethane	0.5	5	NA	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.56	< 0.78	< 0.78	< 0.78	< 3.1	< 0.78	< 1.6	< 1.6	< 1.6	< 1.6	< 0.39	< 3.9	< 5.6
1,2-Dichloropropane	0.5	5	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 0.86	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50	< 5.0	< 5.7
1,2,3-Trichlorobenzene	NE	NE	NA	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.48	< 0.92	< 0.45	< 0.45	7.2 BJ	< 0.45	< 0.90	< 0.90	< 0.90	< 0.9	< 0.23	< 2.3	< 12.5
1,2,4-Trichlorobenzene	14	70	NA	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.62	< 0.68	< 0.77	< 0.77	5.2 J	< 0.77	< 1.5	< 1.5	< 1.5	< 1.5	< 0.39	< 3.9	< 19.0
1,3,5-Trimethylbenzene	96	480	NA	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.36	< 0.51	< 0.75	< 0.75	< 3.0	< 0.75	< 1.5	< 1.5	< 1.5	< 1.5	< 0.38	< 3.8	< 17.5
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 30	< 120	< 30	< 60	< 60	< 60	< 60	< 15	< 150	< 58.7
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 9.5	< 38	< 9.5	< 19	< 19	< 19	< 19	< 4.8	< 48	< 49.1
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 7.7	< 31	< 7.7	< 15	< 15	< 15	< 15	< 3.9	< 39	< 30.6
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 34	< 140	< 34	< 68	< 68	< 68	< 68	< 17	< 170	< 54.8
Benzene	0.5	5	NA	< 0.074	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.074	< 0.15	< 0.29	< 0.89	< 0.89	< 3.6	< 0.89	< 1.8	< 1.8	< 1.8	< 1.8	< 0.45	< 4.5	< 4.9
Bromodichloromethane	0.06	0.6	NA	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.34	< 0.74	< 0.77	< 0.77	< 3.1	< 0.77	< 1.5	< 1.5	< 1.5	< 1.5	< 0.39	< 3.9	< 7.3
Bromoform	0.44	4.4	NA	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.56	< 0.97	< 0.88	< 0.88	< 3.5	< 0.88	< 1.8	< 1.8	< 1.8	< 1.8	< 0.44	< 4.4	< 79.4
Bromomethane	1	10	NA	< 0.31	< 0.31 *	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.62	< 1.6	< 5.9	< 5.9	< 24	< 5.9	< 12	< 12	< 12	< 12	< 3.0	< 30	< 19.4
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 0.53	< 2.1	< 0.53	< 1.1	< 1.1	< 1.1	< 1.1	< 0.27	< 2.7	< 7.5
Carbon tetrachloride	0.5	5	NA	< 0.26	< 0.26	< 0.26	< 0.52	< 0.26	< 0.52	< 0.26	< 0.52	< 0.77	< 0.38	< 0.38	< 1.5	< 0.38	< 0.76	< 0.76	< 0.76	< 0.76	< 0.19	< 1.9	< 3.3
Chloroform	0.6	6	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 0.74	< 0.62	< 0.62	< 2.5	< 0.62	< 1.2	< 1.2	***2.2 J***	< 1.2	< 0.31	< 3.1	< 25.5
Chloromethane	3	30	NA	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.36	< 0.64	< 1.6	< 1.6	< 6.4	< 1.6	***11 BJ***	***5.8 BJ***	< 3.2	***4.2 J+***	< 0.80	< 15 U	< 43.8
cis-1,2-Dichloroethene	7	70	NA	6.6	***9.2***	4.7	3.6	1.5	< 0.24	0.79 J	2.1	2.9	1.4 J	1.6 J	< 4.4	6.1	< 2.2	< 2.2	2.2 J	4.8 J	< 0.55	***10 J***	***15.0 J***
Dichlorodifluoromethane	200	1000	NA	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.40	< 0.20	< 0.40	< 1.1	< 1.1	< 1.1	< 4.4	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2	< 0.55	< 5.5	< 10
Ethylbenzene	140	700	NA	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.26	< 0.37	< 0.54	< 0.54	< 2.2	< 0.54	< 1.1	< 1.1	< 1.1	< 1.1	< 0.27	< 2.7	< 4.4
Isopropylbenzene	NE	NE	NA	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.28	< 0.77	< 0.81	< 0.81	< 3.2	< 0.81	< 1.6	< 1.6	< 1.6	< 1.6	< 0.41	< 4.1	< 7.9
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 0.57	< 2.3	< 0.57	< 1.1	1.6 BJ	< 1.1	1.2 BJ	< 0.29	< 2.9	< 9.3
Methyl tert-butyl ether	12	60	NA	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.48	< 0.79	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	< 2.8	< 2.8	< 2.8	< 0.70	< 7.0	< 24.9
Methylene chloride	0.5	5	NA	< 0.68	< 0.68	< 0.68	< 1.4	***5.7***	< 1.4	< 0.68	< 1.4	< 3.3	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	***3.4 BJ***	< 2.8	< 2.8	***0.90 J+***	< 7.0	< 11.6
Naphthalene	10	100	NA	< 0.16	< 0.16	< 0.16	< 0.32	< 0.16	< 0.32	< 0.16	< 0.32	< 0.67	< 0.88	< 0.88	***12 BJ***	< 0.88	< 1.8	< 1.8	< 1.8	< 1.8	< 0.44	< 4.4	< 23.5
n-Butylbenzene	NE	NE	NA	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.26	< 0.78	< 1.4	< 1.4	< 5.6	< 1.4	< 2.8	< 2.8	< 2.8	< 2.8	< 0.70	< 7.0	< 14.2
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 2.1	< 8.4	< 2.1	< 4.2	< 4.2	< 4.2	< 4.2	< 1.1	< 11	< 34.2
n-Propylbenzene	NE	NE	NA	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.26	< 0.83	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2	< 0.50	< 5.0	< 16.2
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.58	< 2.3	< 0.58	< 1.2	1.4 BJ	< 1.2	< 1.2	< 0.29	< 2.9	< 5.2
p-Isopropyltoluene	NE	NE	NA	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.34	< 0.72	< 0.85	< 0.85	< 3.4	< 0.85	< 1.7	< 1.7	< 1.7	< 1.7	< 0.43	< 4.3	< 16.0
sec-Butylbenzene	NE	NE	NA	< 0.15	< 0.15	< 0.15	< 0.3	< 0.15	< 0.30	< 0.15	< 0.30	< 0.80	< 1.3	< 1.3	< 5.2	< 1.3	< 2.6	< 2.6	< 2.6	< 2.6	< 0.65	< 6.5	< 17.0
Styrene	10	100	NA	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.20	< 0.10	< 0.20	< 0.77	< 0.65	< 0.65	< 2.6	< 0.65	< 1.3	< 1.3	< 1.3	1.4 BJ	< 0.33	< 3.3	< 9.3
tert-Butylbenzene	NE	NE	NA	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.28	< 0.80	< 1.2	< 1.2	< 4.8	< 1.2	< 2.4	< 2.4	< 2.4	< 2.4	< 0.60	< 6.0	< 6.1
Tetrachloroethene	0.5	5	NA	***650***	***650***	***640***	***710***	***110***	***520***	***47***	***700***	***640***	***380***	***380***	***160***	***970***	***550***	***570***	***670***	***940***	***210***	***1900***	***2150***
Toluene	160	800	NA	0.70	0.22 J	0.35 J	2.4	0.43 J	< 0.22	< 0.11	< 0.22	< 0.30	< 0.53	< 0.53	< 2.1	< 0.53	< 1.1	3.2 BJ	< 1.1	1.2 BJ	< 0.27	< 2.7	< 3.4
trans-1,2-Dichloroethene	20	100	NA	< 0.25	< 0.25	< 0.25	< 0.5	< 0.25	< 0.50	< 0.25	< 0.50	< 0.70	< 1.1	< 1.1	< 4.4	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2	< 0.55	< 5.5	< 21.8
Trichloroethene	0.5	5	NA	***9.5***	***8.4***	***7.4***	***8.1***	***6.1***	***7.1***	***2.2***	***8.2***	***9.1***	***4.7 J***	***5.5***	< 2.5	***13***	***8.4 J***	***6.6 BJ***	***7.8 J***	***12***	***2.3 J***	***25 J***	***26.7***
Trichlorofluoromethane	698	3490	NA	< 0.19	< 0.19	< 0.19	< 0.38	< 0.19	< 2.0	< 1.0	< 2.0	< 2.0	< 5.0	< 5.0	< 20	< 5.0	< 10	< 10	< 10	< 10	< 2.5	< 6.5	< 4.3
Vinyl chloride	0.02	0.2	NA	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.20	< 0.10	< 0.20	< 0.41	< 1.6	< 1.6	< 6.4	< 1.6	< 3.2	< 3.2	< 3.2	< 3.2	< 0.80	< 8.0	< 3.5
Xylenes, Total	400	2000	NA	< 0.068	< 0.068	< 0.068	< 0.14	< 0.068	< 0.14	< 0.068	< 0.14	< 0.44	< 0.58	< 0.58	< 2.3	< 0.58	< 1.2	3.0 BJ	< 2.3	< 2.3	< 0.58	< 5.8	< 30.0
Total PCBs																							
Aroclor-1016	0.003	0.03	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																							
Total Dissolved Solids (mg/L)	NE	NE	720	590	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-5D2	MW-5D2[3]	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3	MW-5D3
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	165.8 - 170.8 ft	165.8 - 170.8 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft	225 - 235 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	10/10/2019	10/10/2019	11/28/2012	01/18/2013	02/13/2013	04/21/2013	07/17/2013	10/07/2013	04/16/2014	10/20/2014	04/13/2015	10/21/2015	01/21/2016	04/21/2016	07/20/2016	10/12/2016	1/19/2017	04/12/2017	10/04/2017	04/03/2018	10/11/2018	04/10/2019	10/10/2019
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	1.2	1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
1,1,1-Trichloroethane	40	200	< 0.24	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.55	< 0.55	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	0.29 J	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.24	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.84	< 0.84	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.83	< 0.83	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 0.71	< 0.71	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.28	< 0.28	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.63	< 0.63	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	0.18 J	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	0.13 J	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.87	< 0.87	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.87	< 0.87
2-Butanone	800	4000	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 2.9	< 2.9
2-Hexanone	NE	NE	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 1.5	< 1.5
Acetone	1800	9000	< 2.7	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	9.6 J+	15 BJ	< 3.4	< 3.4	< 4.6 U	< 2.7	< 2.7
Benzene	0.5	5	< 0.25	< 0.25	< 0.074	0.28 J	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	0.19 J	0.15 BJ	< 0.089	< 0.089	< 0.089	< 0.089	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 0.36	< 0.36	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.36	< 0.36
Bromoform	0.44	4.4	< 4.0	< 4.0	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 4.0	< 4.0
Bromomethane	1	10	< 0.97	< 0.97	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.97	< 0.97
Carbon disulfide	200	1000	< 0.37	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.10 J	< 0.053	< 0.053	< 0.053	< 0.053	0.080 J	< 0.053	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 0.17	< 0.17	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.17	< 0.17
Chloroform	0.6	6	< 1.3	< 1.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 1.3	< 1.3
Chloromethane	3	30	< 2.2	< 2.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	0.67 BJ	0.37 BJ	< 0.16	0.22 J+	< 0.16	< 0.56 U	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	***10.9***	***11.3***	3.1	***12***	***12***	1.6	2.1	4.5	< 0.12	< 0.12	< 0.12	< 0.41	0.19 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
Dichlorodifluoromethane	200	1000	< 0.50	< 0.50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	0.11 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.50	< 0.50
Ethylbenzene	140	700	< 0.22	< 0.22	< 0.13	< 0.13	< 0.13	< 0.13	0.32 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	0.18 J	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 0.39	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.39	< 0.39
m,p-Xylene	400	2000	< 0.47	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	0.49 J	< 0.057	< 0.057	< 0.057	0.06 BJ	< 0.057	< 0.057	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.2	< 1.2
Methylene chloride	0.5	5	< 0.58	< 0.58	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.16 J	< 0.14	< 0.14	< 0.14	0.17 BJ	< 0.14	< 0.14	< 0.14	< 0.29 U	< 0.58	< 0.58
Naphthalene	10	100	< 1.2	< 1.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.36 BJ	< 0.088	< 0.088	< 0.088	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 0.71	< 0.71	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.71	< 0.71
n-Hexane	120	600	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 0.81	< 0.81	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.81	< 0.81
o-Xylene	400	2000	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	0.24 J	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 0.80	< 0.80	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 0.85	< 0.85	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.85	< 0.85
Styrene	10	100	< 0.47	< 0.47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 0.30	< 0.30	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.30	< 0.30
Tetrachloroethene	0.5	5	***2150***	***2120***	***19***	***0.59 J***	***0.83 J***	***1.8***	***0.78 J***	***1.5***	< 0.17	< 0.17	< 0.17	< 0.37	0.14 J	< 0.081	0.10 J	0.22 J	< 0.081	0.25 BJ	< 0.081	< 0.081	< 0.081	< 0.33	< 0.33
Toluene	160	800	< 0.17	< 0.17	< 0.11	< 0.11	< 0.11	0.29 J	0.53	0.20 J	< 0.11	< 0.11	< 0.11	< 0.15	0.080 J	< 0.053	< 0.053	0.15 J	0.17 BJ	< 0.053	0.08 BJ	0.12 J	< 0.053	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	< 1.1	< 1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 1.1
Trichloroethene	0.5	5	***29.2***	***30.2***	***2.6***	< 0.19	< 0.19	< 0.19	< 0.19	0.29 J	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.062	0.16 BJ	0.18 J	< 0.062	< 0.062	< 0.062	< 0.26	< 0.26
Trichlorofluoromethane	698	3490	< 0.21	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.13	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	< 0.17	< 0.17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17
Xylenes, Total	400	2000	< 1.5	< 1.5	< 0.068	< 0.068	< 0.068	< 0.068	0.68 J	< 0.068	< 0.068	< 0.068	< 0.068	0.25 J	< 0.058	< 0.058	0.73	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 1.5	< 1.5
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	360	290	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S[3]	MW-6S	MW-6S	MW-6S[3]	MW-6S	MW-6S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft	31.4 - 41.4 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/31/2009	04/07/2010	07/01/2010	10/01/2010	12/28/2010	04/11/2012	01/17/2013	04/20/2013	07/18/2013	10/07/2013	04/17/2014	10/16/2014	04/14/2015	10/22/2015	10/12/2016	10/09/2017	10/09/2017	04/04/2018	10/15/2018	10/15/2018	04/12/2019	10/11/2019
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	NA	< 0.11	< 0.11	NA	< 0.27
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.1	NA	< 0.10	< 0.10	NA	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.1	NA	< 0.10	< 0.10	NA	< 0.55
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	NA	< 0.24
1,2,4-Trimethylbenzene	96	480	4.3	3.3	1.3	2.2	3.2	4.8	12	0.92 J	< 0.14	1.4	2.0	0.96 J	1.4	1.3	0.83	0.37 J	0.3 J	NA	< 0.060	< 0.060	NA	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	NA	< 0.83
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	NA	< 0.076	< 0.076	NA	< 0.71
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	NA	< 0.078	< 0.078	NA	< 0.28
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.1	NA	< 0.10	< 0.10	NA	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	0.07 BJ	< 0.045	NA	< 0.045	< 0.045	NA	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	NA	< 0.077	< 0.077	NA	< 0.95
1,3,5-Trimethylbenzene	96	480	0.92	7.3	0.27	4.6	0.39	1.5	3.4	< 0.18	< 0.18	< 0.18	0.73 J	< 0.18	1.1	1.7	0.45 J	0.17 J	0.15 J	NA	< 0.075	< 0.075	NA	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3	NA	< 3.0	< 3.0	NA	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	NA	< 0.95	< 0.95	NA	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	NA	< 0.77	< 0.77	NA	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	NA	< 3.4	< 13 U	NA	< 2.7
Benzene	0.5	5	***7.6***	***7.9***	***5***	***5.3***	***5***	***4.1***	***9.3***	***1.9***	0.34 J	***2.6***	***2.8***	***2.1***	***3.3***	***3.8***	***2.9***	***0.71***	***0.65***	NA	0.10 J	< 0.089	NA	< 0.25
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	***1.2***	< 0.077	< 0.077	< 0.077	NA	< 0.077	< 0.077	NA	< 0.36
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	NA	< 0.088	< 0.088	NA	< 4.0
Bromomethane	1	10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	NA	< 0.59	< 0.59	NA	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	NA	< 0.053	< 0.053	NA	< 0.37
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	NA	< 0.038	< 0.038	NA	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	NA	< 0.062	< 0.062	NA	< 1.3
Chloromethane	3	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.62 BJ	2.2	***3.6***	NA	< 0.50 U	< 0.50 U	NA	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	NA	< 0.11	< 0.11	NA	< 0.27
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	NA	< 0.11	< 0.11	NA	< 0.50
Ethylbenzene	140	700	23	14	6.0	13	15	9.8	40	0.18 J	< 0.13	8.0	7.5	3.5	6.4	7.1	2.0	0.79	0.75	NA	< 0.054	< 0.054	NA	< 0.22
Isopropylbenzene	NE	NE	12	9.4	5.3	7.5	6.4	4.1	12	< 0.14	< 0.14	3.2	2.6	2.1	2.9	3.7	1.4	0.53	0.52	NA	< 0.081	< 0.081	NA	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78 J	0.37 J	0.35 J	NA	< 0.057	< 0.057	NA	< 0.47
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	NA	< 1.2
Methylene chloride	0.5	5	< 1	< 1	< 1	< 1	< 1	***8.3***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	***9.4 cn***	< 0.14	< 0.14	< 0.14	NA	< 0.29 U	< 0.35 U	NA	< 0.58
Naphthalene	10	100	***26***	***14***	6.4	***10***	***16***	***19***	***43***	< 0.16	< 0.16	3.8	4.2	1.9	6.6	9.8	2.0 J	0.69 BJ	0.29 BJ	NA	< 0.088	< 0.088	NA	< 1.2
n-Butylbenzene	NE	NE	1.6	1.6	0.92	1.2	0.86	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	NA	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	NA	< 0.21	< 0.21	NA	< 1.7
n-Propylbenzene	NE	NE	4.9	3.7	1.9	3.3	3.0	1.8	6.8	< 0.13	< 0.13	1.3	1.5	< 0.13	1.2	1.5	0.46 J	0.19 J	< 0.1	NA	< 0.10	< 0.10	NA	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 J	0.11 J	0.1 J	NA	< 0.058	< 0.058	NA	< 0.26
p-Isopropyltoluene	NE	NE	1.7	1.6	0.72	1.1	0.83	< 0.24	2.4	< 0.17	< 0.17	< 0.17	0.56 J	< 0.17	< 0.17	0.95 J	0.35 J	0.16 J	0.14 J	NA	< 0.085	< 0.085	NA	< 0.80
sec-Butylbenzene	NE	NE	1.9	1.8	1.5	1.5	1.0	0.56 J	1.8	< 0.15	< 0.15	< 0.15	0.82 J	< 0.15	< 0.15	0.86 J	0.38 J	0.13 J	< 0.13	NA	< 0.13	< 0.13	NA	< 0.85
Styrene	10	100	0.53	0.51	< 0.5	< 0.5	1.1	< 0.26	0.64 J	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.1 BJ	0.07 J	NA	< 0.065	< 0.065	NA	< 0.47
tert-Butylbenzene	NE	NE	0.27	0.31	0.22	0.24	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	NA	< 0.12	< 0.12	NA	< 0.30
Tetrachloroethene	0.5	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.22	< 0.17	***0.53 J***	< 0.17	< 0.17	***0.66 J***	< 0.17	< 0.17	< 0.37	***0.6***	< 0.081	< 0.081	NA	0.10 J	< 0.081	NA	< 0.33
Toluene	160	800	3.3	3.3	1.2	1.8	2.0	2.5	6.3	0.82	< 0.11	1.1	1.1	< 0.11	1.9	2.4	0.75	0.32 BJ	0.32 J	NA	< 0.053	0.070 J	NA	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	NA	< 0.11	< 0.11	NA	< 1.1
Trichloroethene	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	NA	< 0.062	< 0.062	NA	< 0.26
Trichlorofluoromethane	698	3490	< 1.7	< 2	< 2	< 2	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.5	NA	< 0.13	< 0.13	NA	< 0.21
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	NA	< 0.16	< 0.16	NA	< 0.17
Xylenes, Total	400	2000	9.6	8.2	2.6	4.5	6.4	7.8	25	1.8	< 0.068	3.3	2.8	1.9	3.3	3.7	0.95	0.48 J	0.45 J	NA	< 0.12	< 0.12	NA	< 1.5
Total PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.035	< 0.0072	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.037	< 0.0042	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.038	< 0.013	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.02	< 0.020	< 0.011	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Dissolved PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																								
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3970	3910	3400	3940	3940	4400	5010
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	1.2 J	7.4	1.0	1.2	1.8 J	2.2

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/31/2009	04/07/2010	07/01/2010	10/01/2010	12/28/2010	03/31/2011	04/12/2012	01/16/2013	01/16/2013	04/20/2013	04/20/2013	07/18/2013	07/18/2013	10/07/2013	10/07/2013	04/17/2014
VOCs																		
1,1,1,2-Tetrachloroethane	7	70	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.62	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.25	< 0.25	< 0.50
1,1,1-Trichloroethane	40	200	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.52	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
1,1,2-Trichloroethane	0.5	5	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.6	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.28	< 0.28	< 0.56
1,1-Dichloroethene	0.7	7	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.58	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.31	< 0.31	< 0.62
1,2,4-Trimethylbenzene	96	480	***330***	***130***	***130***	***160***	***180***	74	19	23	25	11	6.1	16	17	41	38	9.7
1,2-Dibromoethane	0.005	0.05	***15***	< 16	< 10	***11***	***9.7***	< 8	< 0.9	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.36	< 0.36	< 0.72
1,2-Dichlorobenzene	60	600	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.42	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.27	< 0.27	< 0.54
1,2-Dichloroethane	0.5	5	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.28	< 0.28	< 0.56
1,2-Dichloropropane	0.5	5	< 25	< 40	< 25	***7.2***	***6***	< 20	< 0.72	< 0.4	< 0.4	***1.9 J***	***1.7 J***	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.72	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.24	< 0.24	< 0.48
1,2,4-Trichlorobenzene	14	70	< 13	< 20	< 13	< 0.25	< 2.5	< 10	< 0.44	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.31	< 0.31	< 0.62
1,3,5-Trimethylbenzene	96	480	23	< 16	< 10	13	13	< 8	< 0.46	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	0.71 J	< 0.18	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	***3900***	***3200***	***2900***	< 0.2	***2900***	***2100***	***1500***	***1300***	***1400***	***600***	***500***	***810***	***800***	***1000***	***840***	***650***
Bromodichloromethane	0.06	0.6	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.46	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.17	< 0.17	< 0.34
Bromoform	0.44	4.4	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.28	< 0.28	< 0.56
Bromomethane	1	10	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.98	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.31	< 0.31	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 40	< 64	< 40	< 0.8	< 8	< 32	< 0.56	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.26	< 0.26	< 0.52
Chloroform	0.6	6	< 10	< 16	< 10	< 0.2	< 2	< 8	***3.6***	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
Chloromethane	3	30	< 15	< 24	< 15	< 0.3	< 3	< 12	< 0.48	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.18	< 0.18	< 0.36
cis-1,2-Dichloroethene	7	70	< 25	< 40	< 25	1.4	< 5	< 20	< 0.44	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.89 J	< 0.12	2.8
Dichlorodifluoromethane	200	1000	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.52	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.40
Ethylbenzene	140	700	47	< 40	26	39	35	< 20	8.7	7.5	7.9	3.5	2.8	7.1	7.9	8.1	7.5	6.7
Isopropylbenzene	NE	NE	54	43	32	45	40	35	23	30	32	16	12	27	30	29	27	22
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.56	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.24	< 0.24	< 0.48
Methylene chloride	0.5	5	< 50	< 80	< 50	< 1	< 10	< 40	< 1.3	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.68	< 0.68	< 1.4
Naphthalene	10	100	***380***	***280***	***370***	***370***	***360***	***190***	***110***	***54***	***58***	3.9	2.8	***50***	***64***	***72***	***71***	***12***
n-Butylbenzene	NE	NE	12	< 16	< 10	10	7.9	< 8	< 0.42	< 0.26	< 0.26	< 0.26	< 0.26	5.0	6.3	< 0.13	4.3	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	49	< 40	27	36	31	21	11	13	14	5.4	3.6	12	13	14	13	9.2
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 10	< 16	< 10	6.5	5.1	< 8	2.6	3.8	3.9	1.7 J	1.2 J	3.2	3.6	3.4	< 0.17	2.7
sec-Butylbenzene	NE	NE	< 13	< 20	< 13	4.7	4.2	< 10	2.2	3.4	3.8	2.0	1.3 J	3.2	3.6	3.2	3.0	3.0
Styrene	10	100	< 25	< 40	< 25	3.5	***12***	< 20	< 0.52	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	1.0	< 0.1	< 0.20
tert-Butylbenzene	NE	NE	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.48	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.14	< 0.14	< 0.28
Tetrachloroethene	0.5	5	***36***	***45***	***27***	***30***	***26***	***28***	***20***	***25***	***26***	***22***	***17***	***23***	***25***	***17***	***16***	***10***
Toluene	160	800	130	100	88	120	120	58	36	30	31	9.4	7.8	24	27	38	35	25
trans-1,2-Dichloroethene	20	100	< 25	< 40	< 25	< 0.5	< 5	< 20	< 0.54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.25	< 0.25	< 0.50
Trichloroethene	0.5	5	< 10	< 16	< 10	***4.5***	***4.5***	< 8	***3.9***	***11***	***11***	***13***	***11***	***12***	< 0.38	***18***	***17***	***24***
Trichlorofluoromethane	698	3490	< 85	< 160	< 100	< 2	< 20	< 80	< 0.44	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.19	< 0.19	< 2.0
Vinyl chloride	0.02	0.2	< 10	< 16	< 10	< 0.2	< 2	< 8	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.20
Xylenes, Total	400	2000	***630***	320	250	***450***	***400***	130	40	40	41	12	8.3	34	39	63	58	16
Total PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																		
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																		
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D[3]	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D[3]	MW-6D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft	65.5 - 70.5 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/17/2014	10/16/2014	10/16/2014	04/14/2015	04/14/2015	10/22/2015	10/22/2015	01/22/2016	04/20/2016	07/19/2016	10/12/2016	10/12/2016	1/20/2017	1/20/2017	04/11/2017	04/11/2017	10/09/2017	04/04/2018	10/15/2018	04/11/2019	04/11/2019	10/11/2019
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.46	< 0.92	< 2.2	< 5.5	< 1.1	< 5.5	< 5.5	< 11	< 5.5	< 11	< 1.1	< 5.5	< 0.11	< 5.5	< 6.7	< 6.7	< 6.7
1,1,1-Trichloroethane	40	200	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.38	< 0.76	< 2.0	< 5.0	< 1.0	< 5.0	< 5.0	< 10	< 5.0	< 10	< 1.0	< 5	< 0.10	< 5.0	< 6.1	< 6.1	< 6.1
1,1,2-Trichloroethane	0.5	5	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.35	< 0.70	< 2.0	< 5.0	< 1.0	< 5.0	< 5.0	< 10	< 5.0	< 10	< 1.0	< 5	< 0.10	< 5.0	< 13.8	< 13.8	< 13.8
1,1-Dichloroethene	0.7	7	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.39	< 0.78	< 2.8	< 7.0	< 1.4	< 7.0	< 7.0	< 14	< 7.0	< 14	< 1.4	< 7	< 0.14	< 7.0	< 6.1	< 6.1	< 6.1
1,2,4-Trimethylbenzene	96	480	8.9	13	13	4.0	4.2	6.9	6.6	9.0 J	15 J	57	***100***	***110***	***110 B***	***110***	***96***	***110***	***170***	***140***	90	57.0 J	56.3 J	43.5 J
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.39	< 0.77	< 2.6	< 6.5	< 1.3	< 6.5	< 6.5	< 13	< 6.5	< 13	< 1.3	< 6.5	< 0.13	< 6.5	< 20.7	< 20.7	< 20.7
1,2-Dichlorobenzene	60	600	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.33	< 0.67	< 1.5	< 3.8	< 0.76	< 3.8	< 3.8	< 7.6	< 3.8	< 7.6	< 0.76	< 3.8	< 0.076	< 3.8	< 17.6	< 17.6	< 17.6
1,2-Dichloroethane	0.5	5	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.39	< 0.78	< 1.6	< 3.9	< 0.78	< 3.9	< 3.9	< 7.8	< 3.9	< 7.8	< 0.78	< 3.9	< 0.078	< 3.9	< 7.0	< 7.0	< 7.0
1,2-Dichloropropane	0.5	5	***2.3***	***2.4***	< 0.40	***2.2***	< 0.40	< 0.43	< 0.86	< 2.0	< 5.0	< 1.0	< 5.0	< 5.0	< 10	< 5.0	< 10	< 1.0	< 5	< 0.10	< 5.0	< 7.1	< 7.1	< 7.1
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.46	< 0.92	< 0.90	< 2.3	< 0.45	< 2.3	< 2.3	< 4.5	< 2.3	< 4.5	< 0.45	< 2.3	< 0.045	< 2.3	< 15.6	< 15.6	< 15.6
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.34	< 0.68	< 1.5	< 3.9	< 0.77	< 3.9	< 3.9	< 7.7	< 3.9	< 7.7	< 0.77	< 3.9	< 0.077	< 3.9	< 23.8	< 23.8	< 23.8
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.25	< 0.51	< 1.5	< 3.8	< 0.75	< 3.8	< 3.8	< 7.5	< 3.8	< 7.5	< 0.75	< 3.8	2.1	< 3.8	< 21.8	< 21.8	< 21.8
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	< 60	< 150	< 30	< 150	< 150	< 300	< 150	< 300	< 30	< 150	< 3.0	< 150 J	< 73.4	< 73.4	< 73.4
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	< 19	< 48	< 9.5	< 48	< 48	< 95	< 48	< 95	< 9.5	< 48	< 0.95	< 48	< 61.4	< 61.4	< 61.4
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	< 15	< 39	< 7.7	< 39	< 39	< 77	< 39	< 77	< 7.7	< 39	< 0.77	< 39	< 38.3	< 38.3	< 38.3
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	< 68	< 170	< 34	< 170	< 170	< 340	< 170	< 340	< 34	< 170	20	< 170	119 J	197 J	< 68.5 U
Benzene	0.5	5	***710***	***990***	***980***	***790***	***700***	***660***	***560***	***610***	***810***	***1400***	***1600***	***1700***	***2100***	***2200***	***1700***	***1700***	***2000***	***2200***	***1500***	***1210***	***1280***	***1180***
Bromodichloromethane	0.06	0.6	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.37	< 0.74	< 1.5	< 3.9	< 0.77	< 3.9	< 3.9	< 7.7	< 3.9	< 7.7	< 0.77	< 3.9	< 0.077	< 3.9	< 9.1	< 9.1	< 9.1
Bromoform	0.44	4.4	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.48	< 0.97	< 1.8	< 4.4	< 0.88	< 4.4	< 4.4	< 8.8	< 4.4	< 8.8	< 0.88	< 4.4	< 0.088	< 4.4	< 99.3	< 99.3	< 99.3
Bromomethane	1	10	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.80	< 1.6	< 12	< 30	< 5.9	< 30	< 30	< 59	< 30	< 59	< 5.9	< 30	< 0.59	< 30	< 24.3	< 24.3	< 24.3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 2.7	< 0.53	8.5 J	< 2.7	< 5.3	< 2.7	< 5.3	< 0.53	< 2.7	< 0.053	< 2.7	< 9.4	< 9.4	< 9.4
Carbon tetrachloride	0.5	5	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.38	< 0.77	< 0.76	< 1.9	< 0.38	< 1.9	< 1.9	< 3.8	< 1.9	< 3.8	< 0.38	< 1.9	< 0.038	< 1.9	< 4.1	< 4.1	< 4.1
Chloroform	0.6	6	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.37	< 0.74	< 1.2	***5.5 BJ***	< 0.62	< 3.1	< 3.1	< 6.2	< 3.1	< 6.2	< 0.62	< 3.1	< 0.062	< 3.1	< 31.8	< 31.8	< 31.8
Chloromethane	3	30	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.32	< 0.64	< 3.2	< 8.0	< 1.6	***45 BJ***	***47 J***	***28 BJ***	***9.5 BJ***	< 16	< 1.6	***19 J***	< 0.16	< 14 U	< 54.7	< 54.7	< 54.7
cis-1,2-Dichloroethene	7	70	2.5	2.4	2.2	2.9	3.4	3.1	3.2	3.6 J	< 5.5	3.8 J	< 5.5	< 5.5	< 11	< 5.5	< 11 J	***7.3 J***	< 5.5	***8.3***	***8.5 J***	< 6.8	< 6.8	***9.0 J***
Dichlorodifluoromethane	200	1000	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.54	< 1.1	< 2.2	< 5.5	< 1.1	< 5.5	< 5.5	< 11	< 5.5	< 11	< 1.1	< 5.5	< 0.11	< 5.5	< 12.5	< 12.5	< 12.5
Ethylbenzene	140	700	6.3	8.0	7.2	3.3	3.5	4.7	4.5	4.0 J	6.0 J	11	18 J	20 J	21 J	20 J	23 J	22	36	47	34	32.0	38.1	21.7 J
Isopropylbenzene	NE	NE	21	24	20	13	13	17	16	5.8 J	22 J	31	31	28	29 BJ	31	33 J	34	33	30	17 J	15.3 J	16.8 J	16.3 J
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	8.2 J	22 J	98	140	130	110 B	110 B	73 J	80	140	55	53	44.2 J	43.4 J	18.4 J
Methyl tert-butyl ether	12	60	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.39	< 0.79	< 2.8	< 7.0	< 1.4	< 7.0	< 7.0	< 14	< 7.0	< 14	< 1.4	< 7	< 0.14	< 7.0 J	< 31.1	< 31.1	< 31.1
Methylene chloride	0.5	5	< 1.4	***76***	***61***	< 1.4	< 1.4	< 1.6	< 3.3	< 2.8	< 7.0	***51***	< 7.0	< 7.0	< 14	< 7.0	< 14	< 1.4	< 7	< 0.14	< 7.0 J+	< 14.5	< 14.5	< 14.5
Naphthalene	10	100	***10***	***18***	***15***	< 0.32	< 0.32	2.9	2.6	< 1.8	7.0 BJ	***67***	***110 J***	***110 J***	***140 BJ***	***140 J***	***81 J***	***110 J***	***140 BJ***	***65***	< 41 U	< 29.4	< 29.4	< 29.4
n-Butylbenzene	NE	NE	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.39	< 0.78	< 2.8	< 7.0	5.5	< 7.0	< 7.0	< 14	< 7.0	< 14 J	6.3 J	< 7	4.2	< 7.0	< 17.7	< 17.7	< 17.7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 11	< 2.1	< 11	< 11	< 21	< 11	< 21	< 2.1	< 11	< 0.21	< 11	< 42.7	< 42.7	< 42.7
n-Propylbenzene	NE	NE	8.6	7.9	7.5	3.8	4.0	5.5	5.5	2.6 J	10 J	17	20 J	19 J	23 J	21 J	24 J	24	28	30	16 J	< 20.3	< 20.3	< 20.3
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	2.6 J	< 2.9	5.3	8.0 J	6.5 J	13 BJ	11 BJ	9.0 J	8.7	9.5 J	6.8	3.0 J	< 6.5	< 6.5	< 6.5
p-Isopropyltoluene	NE	NE	2.5	2.5	2.2	< 0.34	< 0.34	< 0.36	< 0.72	< 1.7	< 4.3	3.6 J	< 4.3	< 4.3	< 8.5	< 4.3	< 8.5	< 0.85	< 4.3	3.7	< 4.3	< 20.0	< 20.0	< 20.0
sec-Butylbenzene	NE	NE	2.8	2.8	2.3	< 0.30	< 0.30	2.3	2.3	< 2.6	< 6.5	3.4 J	< 6.5	< 6.5	< 13	< 6.5	< 13	< 1.3	< 6.5	3.8	< 6.5	< 21.2	< 21.2	< 21.2
Styrene	10	100	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.39	< 0.77	< 1.3	< 3.3	1.7 J	< 3.3	< 3.3	< 6.5	< 3.3	< 6.5	< 0.65	6 J	< 0.065	< 3.3	< 11.6	< 11.6	< 11.6
tert-Butylbenzene	NE	NE	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.40	< 0.80	< 2.4	< 6.0	< 1.2	< 6.0	< 6.0	< 12	< 6.0	< 12	< 1.2	< 6	0.35 J	< 6.0	< 7.6	< 7.6	< 7.6
Tetrachloroethene	0.5	5	***8.9***	***4***	***3.1***	< 0.34	< 0.34	***0.97 J***	***1.6 J***	***1.8 J***	< 4.1	***2.7 J***	***7.0 J***	***9.0 J***	< 8.1	< 4.1	< 8.1	***0.90 J***	***9 BJ***	***0.53***	< 4.1	< 8.2	< 8.2	< 8.2
Toluene	160	800	24	26	27	17	17	22	22	13	23 J	65	90	95	120 B	110 B	100	110	140	140	92	95.5 J	93.1 J	87.7 J
trans-1,2-Dichloroethene	20	100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.35	< 0.70	< 2.2	< 5.5	< 1.1	< 5.5	< 5.5	< 11	< 5.5	< 11 J	1.8 J	< 5.5	3.3	< 5.5	< 27.3	< 27.3	< 27.3
Trichloroethene	0.5	5	***23***	***31***	***28***	***21***	***22***	***19***	***18***	***8.4 J***	***24 J***	***25***	***24 J***	***22 J***	***23 BJ***	***20 BJ***	***23 J***	***26***	***20 J***	***15***	***20 J***	***14.4 J***	***18.3 J***	***13.9 J***
Trichlorofluoromethane	698	3490	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 10	< 25	< 5.0	< 25	< 25	< 50	< 25	< 50	< 5.0	< 25	< 0.5	< 6.5	< 5.4	< 5.4	< 5.4
Vinyl chloride	0.02	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.41	< 3.2	< 8.0	< 1.6	< 8.0	< 8.0	< 16	< 8.0	< 16	< 1.6	< 8	< 0.16	< 8.0	< 4.4	< 4.4	< 4.4
Xylenes, Total	400	2000	15	25	24	8.6	9.1	16	16	10.8	22	103.3	148	136.5	120 BJ	120 B	82 J	89	150	62	56 J	44.2 J	43.4 J	< 37.5
Total PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0072	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.011	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Dissolved PCBs																								
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																								
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.4	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9D	MW-9D	MW-9D[3]	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft	44 - 49 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	08/26/2011	04/10/2012	01/14/2013	04/16/2013	07/17/2013	10/03/2013	08/26/2011	04/10/2012	01/15/2013	04/16/2013	07/17/2013	10/03/2013	09/09/2011	04/11/2012	04/11/2012	01/15/2013	04/18/2013	07/18/2013	10/04/2013	04/16/2014	10/14/2014	04/09/2015	10/20/2015	10/13/2016	10/04/2017	10/11/2018
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.25	< 0.3	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.5	< 0.29	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.22	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.2	< 0.45	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.2	< 0.21	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076
1,2-Dichloroethane	0.5	5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078
1,2-Dichloropropane	0.5	5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.36	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.25	< 0.36	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.25	< 0.22	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.23	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	17 BJ	< 10 U
Benzene	0.5	5	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.2	< 0.12	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.2	< 0.23	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.2	< 0.45	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.5	< 0.49	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 J	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.8	< 0.28	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	0.09 J	< 0.038
Chloroform	0.6	6	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.3	< 0.24	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.63 BJ	***4.7***	< 0.57 U
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.5	< 0.22	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.26	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	0.13 J
Ethylbenzene	140	700	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.5	< 0.14	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.21	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.5	< 0.28	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 1	***9***	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.56 U
Naphthalene	10	100	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.25	< 0.24	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.13 U
n-Butylbenzene	NE	NE	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.2	< 0.21	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.5	< 0.19	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.2	< 0.24	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.25	< 0.19	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.26	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.08 BJ	< 0.065
tert-Butylbenzene	NE	NE	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.2	< 0.24	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	< 0.5	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.5	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.5	< 0.22	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	0.20 J	< 0.081	< 0.081
Toluene	160	800	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.5	< 0.15	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	0.060 J
trans-1,2-Dichloroethene	20	100	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.5	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.2	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.2	< 0.18	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062
Trichlorofluoromethane	698	3490	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 2	< 0.22	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	0.61
Vinyl chloride	0.02	0.2	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.13	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.5	< 0.3	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12
Total PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																											
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-9D	MW-9D[3]	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2[3]	MW-9D2	MW-9D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	44 - 49 ft	44 - 49 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft	64 - 69 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	10/16/2019	10/16/2019	09/09/2011	04/11/2012	01/15/2013	04/18/2013	07/18/2013	10/04/2013	04/16/2014	10/14/2014	04/10/2015	10/20/2015	01/21/2016	04/20/2016	07/19/2016	10/13/2016	1/19/2017	04/12/2017	10/04/2017	04/05/2018	10/11/2018	10/11/2018	04/09/2019	10/16/2019
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 0.27	< 0.27	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.22	< 0.54	< 0.27
1,1,1-Trichloroethane	40	200	< 0.24	< 0.24	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.20	< 0.49	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.55	< 0.55	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.20	< 1.1	< 0.55
1,1-Dichloroethene	0.7	7	< 0.24	< 0.24	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.28	< 0.49	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.84	< 0.84	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 0.12	< 1.7	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.83	< 0.83	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.26	< 1.7	< 0.83
1,2-Dichlorobenzene	60	600	< 0.71	< 0.71	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.15	< 1.4	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.16	< 0.56	< 0.28
1,2-Dichloropropane	0.5	5	< 0.28	< 0.28	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.20	< 0.57	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.63	< 0.63	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.090	< 1.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.15	< 1.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.87	< 0.87	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.15	< 1.7	< 0.87
2-Butanone	800	4000	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 6.0	< 5.9	< 2.9
2-Hexanone	NE	NE	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 1.9	< 4.9	< 2.5
4-Methyl-2-pentanone	50	500	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 1.5	< 3.1	< 1.5
Acetone	1800	9000	< 2.7	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	6.4 BJ	< 3.4	< 6.7 U	< 6.8	< 5.5	< 2.7
Benzene	0.5	5	< 0.25	< 0.25	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	0.11 J	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	0.09 J	< 0.089	0.14 J	< 0.18	< 0.49	< 0.25
Bromodichloromethane	0.06	0.6	< 0.36	< 0.36	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.15	< 0.73	< 0.36
Bromoform	0.44	4.4	< 4.0	< 4.0	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.18	< 7.9	< 4.0
Bromomethane	1	10	< 0.97	< 0.97	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 1.2	< 1.9	< 0.97
Carbon disulfide	200	1000	< 0.37	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.11	< 0.75	< 0.37
Carbon tetrachloride	0.5	5	< 0.17	< 0.17	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.076	< 0.33	< 0.17
Chloroform	0.6	6	< 1.3	< 1.3	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.12	< 2.5	< 1.3
Chloromethane	3	30	< 2.2	< 2.2	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.29 J	< 0.16	0.40 J	0.55 BJ	0.49 BJ	< 0.16	1.4 J+	< 0.16	< 0.58 U	< 0.32	< 4.4	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.27	< 0.27	***12***	***11***	***14***	***16***	***16***	***18***	***19***	***24***	***26***	***32***	3.9	***34***	***31***	***35***	1.0 B	1.5	***32***	1.7	***53***	***54***	***64.1***	***50.7***
Dichlorodifluoromethane	200	1000	< 0.50	< 0.50	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	0.36 J	0.48 J	0.46 J	< 0.11	< 0.11	0.63	< 0.11	0.62	0.78 J	< 1.0	0.60 J
Ethylbenzene	140	700	< 0.22	< 0.22	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.11	< 0.44	< 0.22
Isopropylbenzene	NE	NE	< 0.39	< 0.39	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.16	< 0.79	< 0.39
m,p-Xylene	400	2000	< 0.47	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.11	< 0.93	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	7.4	9.3	***20***	10	***12***	***15***	9.6	***12***	***17***	***24***	***18***	***21***	***28***	***29***	2.9 J+	2.4	***38***	< 0.14	***54***	***54***	***30***	***47.3***
Methylene chloride	0.5	5	< 0.58	< 0.58	< 1	***8.8***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.17 J	< 0.14	< 0.14	< 0.14	***1.4 BJ***	< 0.14	< 0.14	< 0.14	< 0.29 U	< 0.28	< 1.2	< 0.58
Naphthalene	10	100	< 1.2	< 1.2	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.18	< 2.4	< 1.2
n-Butylbenzene	NE	NE	< 0.71	< 0.71	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.28	< 1.4	< 0.71
n-Hexane	120	600	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.42	< 3.4	< 1.7
n-Propylbenzene	NE	NE	< 0.81	< 0.81	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.20	< 1.6	< 0.81
o-Xylene	400	2000	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.52	< 0.26
p-Isopropyltoluene	NE	NE	< 0.80	< 0.80	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.17	< 1.6	< 0.80
sec-Butylbenzene	NE	NE	< 0.85	< 0.85	< 0.25	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.26	< 1.7	< 0.85
Styrene	10	100	< 0.47	< 0.47	< 0.5	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.08 BJ	< 0.065	< 0.065	< 0.13	< 0.93	< 0.47
tert-Butylbenzene	NE	NE	< 0.30	< 0.30	< 0.2	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.24	< 0.61	< 0.30
Tetrachloroethene	0.5	5	< 0.33	< 0.33	***29***	***10***	***26***	***28***	***30***	***34***	***26***	***41***	***37***	***41***	***11***	***58***	***44***	***61***	***2.6 B***	***5.5***	***49***	***5.9***	***74***	***78***	***98.5***	***71.1***
Toluene	160	800	< 0.17	< 0.17	< 0.5	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.15 BJ	< 0.053	< 0.053	< 0.053	< 0.053	< 0.11	< 0.34	< 0.17
trans-1,2-Dichloroethene	20	100	< 1.1	< 1.1	< 0.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	0.61	0.58	0.64	< 0.11	< 0.11	0.65	0.14 J+	0.90	0.96 J	< 2.2	< 1.1
Trichloroethene	0.5	5	< 0.26	< 0.26	***5***	***3.8***	***5.5***	***6***	***6.3***	***7.4***	***6.5***	***9.6***	***9.5***	***11***	***2.8***	***13***	***13***	***16***	***0.95 B***	***1.7***	***14***	***1.6***	***19***	***21***	***25.8***	***19.9***
Trichlorofluoromethane	698	3490	< 0.21	< 0.21	< 2	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.13	< 0.26	< 0.43	< 0.21
Vinyl chloride	0.02	0.2	< 0.17	< 0.17	< 0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	***0.17 J***	< 0.16	< 0.16	< 0.16	***0.59***	< 0.16	***1.4 J+***	***2.0 J+***	***1.7 J***	***0.95 J***
Xylenes, Total	400	2000	< 1.5	< 1.5	< 0.5	< 0.3	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.23	< 3.0	< 1.5
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	11 - 21 ft	11 - 21 ft	11 - 21 ft	11 - 21 ft	11 - 21 ft	11 - 21 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft	3 - 13 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/10/2012	05/09/2012	01/15/2013	04/17/2013	07/17/2013	10/09/2013	04/12/2012	05/09/2012	01/15/2013	04/17/2013	07/18/2013	10/04/2013	10/09/2017	04/05/2018	10/16/2018	04/09/2019	10/15/2019	04/12/2012	05/09/2012	01/16/2013	04/17/2013	07/18/2013	10/04/2013
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA	NA	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	0.5	5	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	0.76 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.55 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	1.2	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA	< 0.21	< 0.27	0.79 J	< 0.27	< 0.27	< 0.27
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA	NA	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2,3-Trichlorobenzene	NE	NE	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	NA	NA	NA	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074
Bromodichloromethane	0.06	0.6	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	0.44	4.4	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromomethane	1	10	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	NA	NA	NA	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chloroform	0.6	6	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA	NA	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloromethane	3	30	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	NA	NA	NA	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	200	1000	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA	NA	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	140	700	0.20 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	0.5	5	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	NA	NA	NA	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Naphthalene	10	100	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA	NA	< 0.19	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Styrene	10	100	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA	NA	NA	NA	< 0.26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
tert-Butylbenzene	NE	NE	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	< 0.24	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethene	0.5	5	< 0.22	< 0.17	***0.85 J***	< 0.17	< 0.17	< 0.17	< 0.22	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	***0.78 J***	***1.7***	***0.93 J***	< 0.17	***1.3***	***1.5***
Toluene	160	800	0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.73	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	NA	NA	NA	NA	NA	0.64	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Trichloroethene	0.5	5	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	< 0.18	0.26 J	< 0.19	< 0.19	< 0.19	< 0.19
Trichlorofluoromethane	698	3490	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Vinyl chloride	0.02	0.2	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA	NA	NA	NA	NA	< 0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes, Total	400	2000	0.83 J	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	0.86 J	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	NA	NA	NA	NA	NA	1.6	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.0072	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.0042	< 0.0042	< 0.0042	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.013	< 0.013	< 0.013	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.020	< 0.011	< 0.011	< 0.011	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1960	1650	1810	1460	1370	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 1.4	1.4 J	< 0.95	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft	44 - 48 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/06/2012	01/19/2013	02/21/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.5	< 0.25	< 0.25	< 0.50	< 0.50	< 0.50	< 0.46	< 1.1	< 0.44	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.38	< 1.0	< 0.4	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.35	< 1.0	< 0.4	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	***0.92 J***	***1.1***	***0.88 J***	< 0.62	***0.85 J***	***1.1***	***1.3 J***	< 0.62	***1.4 J***	***0.73 J***	< 1.4	< 0.56	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.36	< 0.60	< 0.24	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.36	< 0.72	< 0.72	< 0.72	< 0.39	< 1.3	< 0.52	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.54	< 0.27	< 0.27	< 0.54	< 0.54	< 0.54	< 0.33	< 0.76	< 0.3	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.39	< 0.78	< 0.31	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.43	< 1.0	< 0.4	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.46	< 0.45	< 0.18	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.34	< 0.77	< 0.31	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.25	< 0.75	< 0.3	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 12	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 3.8	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 3.1	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 14	< 4.7 U	< 2.7
Benzene	0.5	5	0.34 J	0.38 J	0.32 J	0.38 J	0.34 J	0.46 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.89	< 0.36	0.090 J	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.37	< 0.77	< 0.31	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.48	< 0.88	< 0.35	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62 *	< 0.62	< 0.80	< 5.9	< 2.4	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 0.21	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 0.38	< 0.38	< 0.15	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.37	< 0.62	< 0.25	< 0.46 U	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.32	***4.3 BJ***	< 0.64	< 0.16	< 2.2
cis-1,2-Dichloroethene	7	70	***540***	***450***	***460***	***460***	***430***	***480***	***450***	***440***	***360***	***220***	***97***	***50***	***26***	***17.5***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.40	< 0.54	< 1.1	< 0.44	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.18	< 0.54	< 0.22	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.39	< 0.81	< 0.32	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 0.23	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.39	< 1.4	< 0.56	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 1.4	< 0.68	< 0.68	< 1.4	< 1.4	< 1.4	< 1.6	< 1.4	< 0.56	< 0.43 U	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.32	< 0.16	< 0.16	< 0.32	< 0.32	< 0.32	< 0.34	< 0.88	< 0.35	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.39	< 1.4	< 0.56	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 0.84	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.41	< 1.0	< 0.4	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.23	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.36	< 0.85	< 0.34	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.3	< 0.15	< 0.15	< 0.30	< 0.30	< 0.30	< 0.40	< 1.3	< 0.52	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.20	< 0.20	< 0.20	< 0.39	< 0.65	< 0.26	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.40	< 1.2	< 0.48	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***640***	***760***	***630***	***680***	***720***	***800***	***750***	***750***	***580***	***360***	***240***	***160***	***140***	***105***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.22	< 0.11	< 0.11	< 0.22	< 0.22	< 0.22	< 0.15	< 0.53	< 0.21	< 0.053	< 0.17
trans-1,2-Dichloroethene	20	100	7.3	6.7	6.1	6.9	6.9	8.4	8.5	7.7	8.4	4.0	< 1.1	0.68 J	0.39 J	< 1.1
Trichloroethene	0.5	5	***230***	***200***	***220***	***230***	***220***	***290***	***300***	***260***	***320***	***170***	***93***	***59***	***45***	***24.2***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.38	< 0.19	< 0.19	< 2.0	< 2.0	< 2.0	< 1.0	< 5.0	< 2	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	***15***	***17***	***17***	***13***	***13***	***17***	***14***	***16***	***16***	***8.6***	***3.7 J***	***1.5 J***	***0.47 J+***	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.14	< 0.068	< 0.068	< 0.14	< 0.14	< 0.14	< 0.22	< 0.58	< 0.46	< 0.12	< 1.5
Total PCBs																
Aroclor-1016	0.003	0.03	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.085	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																
Total Dissolved Solids (mg/L)	NE	NE	1400	1400	1400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft	67 - 71 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/06/2012	01/19/2013	02/21/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 1.3	< 1.3	< 1.3	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.92	< 1.1	< 0.22	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.76	< 1.0	< 0.2	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 1.4	< 1.4	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.70	< 1.0	< 0.2	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	***2.8 J***	***3.1 J***	< 1.6	< 3.1	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.78	< 1.4	< 0.28	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.72	< 0.60	< 0.12	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 1.8	< 1.8	< 1.8	< 3.6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.77	< 1.3	< 0.26	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 1.4	< 1.4	< 1.4	< 2.7	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.67	< 0.76	< 0.15	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 1.4	< 1.4	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.78	< 0.78	< 0.16	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.86	< 1.0	< 0.2	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 1.2	< 1.2	< 1.2	< 2.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.92	< 0.45	< 0.09	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 1.6	< 1.6	< 1.6	< 3.1	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.68	< 0.77	< 0.15	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.9	< 0.9	< 0.9	< 1.8	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.51	< 0.75	< 0.15	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 6	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 1.9	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 1.5	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 6.8	< 3.4	< 2.7
Benzene	0.5	5	< 0.37	***1.1 J***	< 0.37	< 0.74	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29	< 0.89	< 0.18	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.85	< 0.85	< 0.85	< 1.7	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.74	< 0.77	< 0.15	< 0.077	< 0.36
Bromoform	0.44	4.4	< 1.4	< 1.4	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.97	< 0.88	< 0.18	< 0.088	< 4.0
Bromomethane	1	10	< 1.6	< 1.6	< 1.6	< 3.1	< 1.6	< 1.6	< 1.6	< 1.6 *	< 1.6	< 1.6	< 5.9	< 1.2	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 0.11	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 1.3	< 1.3	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.77	< 0.38	< 0.076	< 0.038	< 0.17
Chloroform	0.6	6	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.74	< 0.62	0.18 J	< 0.65 U	***1.5 J***
Chloromethane	3	30	< 0.9	< 0.9	< 0.9	< 1.8	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.64	***4.7 BJ***	< 0.32	< 0.16	< 2.2
cis-1,2-Dichloroethene	7	70	***3500***	***3100***	***2900***	***3200***	***2300***	***1500***	***1300***	***810***	***710***	***470***	***89***	***24***	***14***	5.5
Dichlorodifluoromethane	200	1000	< 1	< 1	< 1	< 2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.1	< 1.1	< 0.22	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.65	< 0.65	< 0.65	< 1.3	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.37	< 0.54	< 0.11	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.77	< 0.81	< 0.16	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 0.11	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	< 1.2	< 2.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.79	< 1.4	< 0.28	< 0.14	< 1.2
Methylene chloride	0.5	5	< 3.4	< 3.4	< 3.4	< 6.8	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.3	< 1.4	< 0.28	< 0.51 U	< 0.58
Naphthalene	10	100	< 0.8	< 0.8	< 0.8	< 1.6	< 0.8	< 0.8	< 0.80	< 0.80	< 0.80	< 0.67	< 0.88	< 0.18	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.65	< 0.65	< 0.65	< 1.3	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.78	< 1.4	< 0.28	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 0.42	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.65	< 0.65	< 0.65	< 1.3	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.83	< 1.0	< 0.2	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.12	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.85	< 0.85	< 0.85	< 1.7	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.72	< 0.85	< 0.17	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.75	< 0.75	< 0.75	< 1.5	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.80	< 1.3	< 0.26	< 0.13	< 0.85
Styrene	10	100	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.77	< 0.65	< 0.13	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.80	< 1.2	< 0.24	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***3800***	***4300***	***2900***	***3800***	***2800***	***2000***	***1600***	***1600***	***1200***	***970***	***270***	***84***	***45***	***23.2***
Toluene	160	800	< 0.55	< 0.55	< 0.55	< 1.1	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.30	< 0.53	< 0.11	0.090 J	< 0.17
trans-1,2-Dichloroethene	20	100	***60***	***56***	***48***	***52***	***37***	***27***	***23***	12	11	< 0.70	< 1.1	0.48 J	0.26 J	< 1.1
Trichloroethene	0.5	5	***1100***	***1000***	***800***	***940***	***630***	***510***	***440***	***260***	***270***	***180***	***55***	***18***	***8.8***	***4.3***
Trichlorofluoromethane	698	3490	< 0.95	< 0.95	< 0.95	< 1.9	< 0.95	< 0.95	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0	< 1	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	***150***	***180***	***140***	***130***	***110***	***92***	***83***	***45***	***50***	< 0.41	***3.2 J***	***0.6 J***	***0.37 J+***	< 0.17
Xylenes, Total	400	2000	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.44	< 0.58	< 0.23	< 0.12	< 1.5
Total PCBs																
Aroclor-1016	0.003	0.03	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.085	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																
Total Dissolved Solids (mg/L)	NE	NE	1100	1100	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13	MP-13[3]	MP-13	MP-13[3]	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft	81 - 85 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/06/2012	12/12/2012	01/19/2013	01/19/2013	02/21/2013	02/21/2013	04/17/2013	04/17/2013	07/22/2013	07/22/2013	10/07/2013	10/07/2013	04/16/2014	04/16/2014	10/14/2014	04/14/2015	04/14/2015	10/16/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 2.5	NA	4.8 J	4.1 J	4.5 J	4.8 J	< 5	< 2.5	< 2.5	< 2.5	< 1.3	< 1.3	< 2.5	< 5.0	< 2.5	< 2.5	< 2.5	< 9.2	< 9.2	< 22	< 11	< 5.5	< 0.27
1,1,1-Trichloroethane	40	200	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 7.6	< 7.6	< 20	< 10	< 5.0	< 0.24
1,1,2-Trichloroethane	0.5	5	< 2.8	NA	< 2.8	< 2.8	< 1.4	< 1.4	< 5.6	< 2.8	< 2.8	< 2.8	< 1.4	< 1.4	< 2.8	< 5.6	< 2.8	< 2.8	< 2.8	< 7.0	< 7.0	< 20	< 10	< 5.0	< 0.55
1,1-Dichloroethene	0.7	7	< 3.1	NA	< 3.1	***4.2 J***	***4.2 J***	***3.5 J***	< 6.2	< 3.1	< 3.1	< 3.1	< 1.6	< 1.6	< 3.1	< 6.2	< 3.1	< 3.1	< 3.1	< 7.8	< 7.8	< 28	< 14	< 7.0	0.48 J
1,2,4-Trimethylbenzene	96	480	< 1.4	NA	< 1.4	< 1.4	< 0.7	< 0.7	< 2.8	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 7.2	< 7.2	< 12	< 6	< 3.0	< 0.84
1,2-Dibromoethane	0.005	0.05	< 3.6	NA	< 3.6	< 3.6	< 1.8	< 1.8	< 7.2	< 3.6	< 3.6	< 3.6	< 1.8	< 1.8	< 3.6	< 7.2	< 3.6	< 3.6	< 3.6	< 7.7	< 7.7	< 26	< 13	< 6.5	< 0.83
1,2-Dichlorobenzene	60	600	< 2.7	NA	< 2.7	< 2.7	< 1.4	< 1.4	< 5.4	< 2.7	< 2.7	< 2.7	< 1.4	< 1.4	< 2.7	< 5.4	< 2.7	< 2.7	< 2.7	< 6.7	< 6.7	< 15	< 7.6	< 3.8	< 0.71
1,2-Dichloroethane	0.5	5	< 2.8	NA	< 2.8	< 2.8	< 1.4	< 1.4	< 5.6	< 2.8	< 2.8	< 2.8	< 1.4	< 1.4	< 2.8	< 5.6	< 2.8	< 2.8	< 2.8	< 7.8	< 7.8	< 16	< 7.8	< 3.9	< 0.28
1,2-Dichloropropane	0.5	5	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 8.6	< 8.6	< 20	< 10	< 5.0	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 2.4	NA	< 2.4	< 2.4	< 1.2	< 1.2	< 4.8	< 2.4	< 2.4	< 2.4	< 1.2	< 1.2	< 2.4	< 4.8	< 2.4	< 2.4	< 2.4	< 9.2	< 9.2	< 9.0	< 4.5	< 2.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 3.1	NA	< 3.1	< 3.1	< 1.6	< 1.6	< 6.2	< 3.1	< 3.1	< 3.1	< 1.6	< 1.6	< 3.1	< 6.2	< 3.1	< 3.1	< 3.1	< 6.8	< 6.8	< 15	< 7.7	< 3.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 1.8	NA	< 1.8	< 1.8	< 0.9	< 0.9	< 3.6	< 1.8	< 1.8	< 1.8	< 0.9	< 0.9	< 1.8	< 3.6	< 1.8	< 1.8	< 1.8	< 5.1	< 5.1	< 15	< 7.5	< 3.8	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 600	< 300	< 150	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 190	< 95	< 48	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 150	< 77	< 39	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 680	500 J	< 170	< 2.7
Benzene	0.5	5	< 0.74	NA	< 0.74	< 0.74	< 0.37	< 0.37	< 1.5	< 0.74	< 0.74	< 0.74	< 0.37	< 0.37	< 0.74	< 1.5	< 0.74	< 0.74	< 0.74	< 2.9	< 2.9	< 18	< 8.9	< 4.5	< 0.25
Bromodichloromethane	0.06	0.6	< 1.7	NA	< 1.7	< 1.7	< 0.85	< 0.85	< 3.4	< 1.7	< 1.7	< 1.7	< 0.85	< 0.85	< 1.7	< 3.4	< 1.7	< 1.7	< 1.7	< 7.4	< 7.4	< 15	< 7.7	< 3.9	< 0.36
Bromoform	0.44	4.4	< 2.8	NA	< 2.8	< 2.8	< 1.4	< 1.4	< 5.6	< 2.8	< 2.8	< 2.8	< 1.4	< 1.4	< 2.8	< 5.6	< 2.8	< 2.8	< 2.8	< 9.7	< 9.7	< 18	< 8.8	< 4.4	< 4.0
Bromomethane	1	10	< 3.1	NA	< 3.1	< 3.1	< 1.6	< 1.6	< 6.2	< 3.1	< 3.1	< 3.1	< 1.6	< 1.6	< 3.1	< 6.2	< 3.1 *	< 3.1	< 3.1	< 16	< 16	< 120	< 59	< 30	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 11	< 5.3	< 2.7	< 0.37
Carbon tetrachloride	0.5	5	< 2.6	NA	< 2.6	< 2.6	< 1.3	< 1.3	< 5.2	< 2.6	< 2.6	< 2.6	< 1.3	< 1.3	< 2.6	< 5.2	< 2.6	< 2.6	< 2.6	< 7.7	< 7.7	< 7.6	< 3.8	< 1.9	< 0.17
Chloroform	0.6	6	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 7.4	< 7.4	< 12	< 6.2	< 3.1	< 1.3
Chloromethane	3	30	< 1.8	NA	< 1.8	< 1.8	< 0.9	< 0.9	< 3.6	< 1.8	< 1.8	< 1.8	< 0.9	< 0.9	< 1.8	< 3.6	< 1.8	< 1.8	< 1.8	< 6.4	< 6.4	< 32	< 16	< 8.0	< 2.2
cis-1,2-Dichloroethene	7	70	***1900***	NA	***1800***	***1800***	***2100***	***2300***	***2700***	***2400***	***1700***	***1800***	***1200***	***1200***	***2200***	***2400***	***1700***	***1600***	***2000***	***1900***	***1800***	***930***	***670***	***240***	***259***
Dichlorodifluoromethane	200	1000	< 2	NA	< 2	< 2	< 1	< 1	< 4	< 2	< 2	< 2	< 1	< 1	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 11	< 11	< 22	< 11	< 5.5	< 0.50
Ethylbenzene	140	700	< 1.3	NA	< 1.3	< 1.3	< 0.65	< 0.65	< 2.6	< 1.3	< 1.3	< 1.3	< 0.65	< 0.65	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 3.7	< 3.7	< 11	< 5.4	< 2.7	< 0.22
Isopropylbenzene	NE	NE	< 1.4	NA	< 1.4	< 1.4	< 0.7	< 0.7	< 2.8	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 7.7	< 7.7	< 16	< 8.1	< 4.1	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 11	6 BJ	< 2.9	< 0.47
Methyl tert-butyl ether	12	60	< 2.4	NA	< 2.4	< 2.4	< 1.2	< 1.2	< 4.8	< 2.4	< 2.4	< 2.4	< 1.2	< 1.2	< 2.4	< 4.8	< 2.4	< 2.4	< 2.4	< 7.9	< 7.9	< 28	< 14	< 7.0	< 1.2
Methylene chloride	0.5	5	< 6.8	NA	< 6.8	< 6.8	< 3.4	< 3.4	< 14	< 6.8	< 6.8	< 6.8	< 3.4	< 3.4	< 6.8	< 14	< 6.8	< 6.8	< 6.8	< 33	< 33	< 28	< 14	< 7.0	< 0.58
Naphthalene	10	100	< 1.6	NA	< 1.6	< 1.6	< 0.8	< 0.8	< 3.2	< 1.6	< 1.6	< 1.6	< 0.8	< 0.8	< 1.6	< 3.2	< 1.6	< 1.6	< 1.6	< 6.7	< 6.7	< 18	< 8.8	< 4.4	< 1.2
n-Butylbenzene	NE	NE	< 1.3	NA	< 1.3	< 1.3	< 0.65	< 0.65	< 2.6	< 1.3	< 1.3	< 1.3	< 0.65	< 0.65	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 7.8	< 7.8	< 28	< 14	< 7.0	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 42	< 21	< 11	< 1.7
n-Propylbenzene	NE	NE	< 1.3	NA	< 1.3	< 1.3	< 0.65	< 0.65	< 2.6	< 1.3	< 1.3	< 1.3	< 0.65	< 0.65	< 1.3	< 2.6	< 1.3	< 1.3	< 1.3	< 8.3	< 8.3	< 20	< 10	< 5.0	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 12	< 5.8	< 2.9	< 0.26
p-Isopropyltoluene	NE	NE	< 1.7	NA	< 1.7	< 1.7	< 0.85	< 0.85	< 3.4	< 1.7	< 1.7	< 1.7	< 0.85	< 0.85	< 1.7	< 3.4	< 1.7	< 1.7	< 1.7	< 7.2	< 7.2	< 17	< 8.5	< 4.3	< 0.80
sec-Butylbenzene	NE	NE	< 1.5	NA	< 1.5	< 1.5	< 0.75	< 0.75	< 3	< 1.5	< 1.5	< 1.5	< 0.75	< 0.75	< 1.5	< 3.0	< 1.5	< 1.5	< 1.5	< 8.0	< 8.0	< 26	< 13	< 6.5	< 0.85
Styrene	10	100	< 1	NA	< 1	< 1	< 0.5	< 0.5	< 2	< 1	< 1	< 1	< 0.5	< 0.5	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 7.7	< 7.7	< 13	< 6.5	< 3.3	< 0.47
tert-Butylbenzene	NE	NE	< 1.4	NA	< 1.4	< 1.4	< 0.7	< 0.7	< 2.8	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 2.8	< 1.4	< 1.4	< 1.4	< 8.0	< 8.0	< 24	< 12	< 6.0	< 0.30
Tetrachloroethene	0.5	5	***5600***	NA	***6800***	***7400***	***7000***	***7100***	***7900***	***7000***	***6800***	***6300***	***5400***	***5200***	***7900***	***7800***	***8000***	***6700***	***11000***	***9700***	***9200***	***4800***	***3200***	***890***	***702***
Toluene	160	800	< 1.1	NA	< 1.1	< 1.1	< 0.55	< 0.55	< 2.2	< 1.1	< 1.1	< 1.1	< 0.55	< 0.55	< 1.1	< 2.2	< 1.1	< 1.1	< 1.1	< 3.0	< 3.0	< 11	< 5.3	< 2.7	< 0.17
trans-1,2-Dichloroethene	20	100	***29***	NA	***38***	***37***	***38***	***40***	***48***	***35***	***29***	***31***	19	19	***39***	***41***	***25***	***27***	***34***	< 7.0	< 7.0	< 22	12 J	< 5.5	3.2 J
Trichloroethene	0.5	5	***940***	NA	***1100***	***1000***	***1100***	***1000***	***1200***	***940***	***900***	***900***	***660***	***640***	***1100***	***1100***	***730***	***780***	***980***	***960***	***870***	***500***	***390***	***150***	***160***
Trichlorofluoromethane	698	3490	< 1.9	NA	< 1.9	< 1.9	< 0.95	< 0.95	< 3.8	< 1.9	< 1.9	< 1.9	< 0.95	< 0.95	< 10	< 20	< 10	< 10	< 10	< 20	< 20	< 100	< 50	< 6.5	< 0.21
Vinyl chloride	0.02	0.2	***64***	NA	***120***	***110***	***110***	***110***	***99***	***71***	***75***	***75***	***48***	***48***	***87***	***95***	***55***	***72***	***89***	***110***	***92***	***52 J***	***54***	***15 J+***	***9.1***
Xylenes, Total	400	2000	< 0.68	NA	< 0.68	< 0.68	< 0.34	< 0.34	< 1.4	< 0.68	< 0.68	< 0.68	< 0.34	< 0.34	< 0.68	< 1.4	< 0.68	< 0.68	< 0.68	< 4.4	< 4.4	< 12	< 12	< 5.8	< 1.5
Total PCBs																									
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids (mg/L)	NE	NE	990	950	910	NA	980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft	102 - 106 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	01/18/2013	02/21/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 1.3	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 4.6	< 2.2	< 2.8	< 5.5	0.37 J
1,1,1-Trichloroethane	40	200	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 3.8	< 2.0	< 2.5	< 5.0	< 0.24
1,1,2-Trichloroethane	0.5	5	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 3.5	< 2.0	< 2.5	< 5.0	< 0.55
1,1-Dichloroethene	0.7	7	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 3.9	< 2.8	< 3.5	< 7.0	0.48 J
1,2,4-Trimethylbenzene	96	480	< 0.7	< 0.28	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 3.6	< 1.2	< 1.5	< 3.0	< 0.84
1,2-Dibromoethane	0.005	0.05	< 1.8	< 0.72	< 0.72	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.9	< 2.6	< 3.3	< 6.5	< 0.83
1,2-Dichlorobenzene	60	600	< 1.4	< 0.54	< 0.54	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 3.3	< 1.5	< 1.9	< 3.8	< 0.71
1,2-Dichloroethane	0.5	5	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 3.9	< 1.6	< 2	< 3.9	***0.67 J***
1,2-Dichloropropane	0.5	5	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 4.3	< 2.0	< 2.5	< 5.0	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 4.6	< 0.90	< 1.1	< 2.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 3.4	< 1.5	< 1.9	< 3.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.9	< 0.36	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 2.5	< 1.5	< 1.9	< 3.8	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 75	< 150	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 19	< 24	< 48	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 19	< 39	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 68	< 85	< 260 U	< 2.7
Benzene	0.5	5	< 0.37	< 0.15	< 0.15	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 1.5	< 1.8	< 2.2	< 4.5	< 0.25
Bromodichloromethane	0.06	0.6	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 3.7	< 1.5	< 1.9	< 3.9	< 0.36
Bromoform	0.44	4.4	< 1.4	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 4.8	< 1.8	< 2.2	< 4.4	< 4.0
Bromomethane	1	10	< 1.6	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 *	< 1.6	< 8.0	< 12	< 15	***46 J+***	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.3	< 2.7	< 0.37
Carbon tetrachloride	0.5	5	< 1.3	< 0.52	< 0.52	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 3.8	< 0.76	< 0.95	< 1.9	< 0.17
Chloroform	0.6	6	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 3.7	< 1.2	< 1.6	< 3.1	< 1.3
Chloromethane	3	30	< 0.9	< 0.36	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 3.2	***9.8 BJ***	< 4	< 14 U	< 2.2
cis-1,2-Dichloroethene	7	70	***1100***	***690***	***520***	***720***	***660***	***600***	***770***	***730***	***980***	***1100***	***200***	***350***	***580***	***227***
Dichlorodifluoromethane	200	1000	< 1	< 0.4	< 0.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 5.4	< 2.2	< 2.8	< 5.5	< 0.50
Ethylbenzene	140	700	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 1.8	< 1.1	< 1.4	< 2.7	< 0.22
Isopropylbenzene	NE	NE	< 0.7	< 0.28	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 3.9	< 1.6	< 2	< 4.1	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.4	< 2.9	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 3.9	< 2.8	< 3.5	< 7.0	< 1.2
Methylene chloride	0.5	5	< 3.4	< 1.4	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 16	< 2.8	< 3.5	< 7.0	< 0.58
Naphthalene	10	100	< 0.8	< 0.32	< 0.32	< 0.8	< 0.8	< 0.8	< 0.80	< 0.80	< 0.80	< 3.4	< 1.8	< 2.2	< 4.4	< 1.2
n-Butylbenzene	NE	NE	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 3.9	< 2.8	< 3.5	< 7.0	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 5.3	< 11	< 1.7
n-Propylbenzene	NE	NE	< 0.65	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 4.1	< 2.0	< 2.5	< 5.0	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	< 1.5	< 2.9	< 0.26
p-Isopropyltoluene	NE	NE	< 0.85	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 3.6	< 1.7	< 2.1	< 4.3	< 0.80
sec-Butylbenzene	NE	NE	< 0.75	< 0.3	< 0.3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 4.0	< 2.6	< 3.3	< 6.5	< 0.85
Styrene	10	100	< 0.5	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 3.9	< 1.3	1.8 BJ	< 3.3	< 0.47
tert-Butylbenzene	NE	NE	< 0.7	< 0.28	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 4.0	< 2.4	< 3	< 6.0	< 0.30
Tetrachloroethene	0.5	5	***1800***	***1100***	***670***	***1400***	***1500***	***1900***	***1600***	***2000***	***2100***	***4600***	***870***	***970***	***1200***	***822***
Toluene	160	800	< 0.55	< 0.22	< 0.22	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 1.5	< 1.1	< 1.3	< 2.7	< 0.17
trans-1,2-Dichloroethene	20	100	15	9.5	4.8	6.6	6.0	7.0	9.8	8.1	13	< 3.5	3.2 J	7.3 J	11 J	4.1
Trichloroethene	0.5	5	***440***	***330***	***270***	***500***	***450***	***490***	***580***	***530***	***680***	***930***	***230***	***230***	***290***	***195***
Trichlorofluoromethane	698	3490	< 0.95	< 0.38	< 0.38	< 0.95	< 0.95	< 0.95	< 5.0	< 5.0	< 5.0	< 10	< 10	< 13	< 6.5	< 0.21
Vinyl chloride	0.02	0.2	***33***	***23***	***13***	***20***	***19***	***20***	***23***	***22***	***41***	***44***	< 3.2	< 4	***9.0 J+***	***0.63 J***
Xylenes, Total	400	2000	< 0.34	< 0.14	< 0.14	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 2.2	< 1.2	< 2.9	< 5.8	< 1.5
Total PCBs																
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																
Total Dissolved Solids (mg/L)	NE	NE	1100	970	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13[3]	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft	121 - 125 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	12/04/2012	01/18/2013	02/20/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																	
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 1.3	< 1.3	NA	< 5	< 2.5	1.1	< 5.0	< 2.5	< 2.5	< 9.2	< 11	< 5.5	< 5.5	< 0.27
1,1,1-Trichloroethane	40	200	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 7.6	< 10	< 5	< 5.0	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.56	< 1.4	< 1.4	NA	< 5.6	< 2.8	< 0.28	< 5.6	< 2.8	< 2.8	< 7.0	< 10	< 5	< 5.0	< 0.55
1,1-Dichloroethene	0.7	7	< 0.62	< 1.6	< 1.6	NA	< 6.2	< 3.1	< 0.31	< 6.2	< 3.1	< 3.1	< 7.8	< 14	< 7	< 7.0	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.7	< 0.7	NA	< 2.8	< 1.4	< 0.14	< 2.8	< 1.4	< 1.4	< 7.2	< 6.0	< 3	< 3.0	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.72	< 1.8	< 1.8	NA	< 7.2	< 3.6	< 0.36	< 7.2	< 3.6	< 3.6	< 7.7	< 13	< 6.5	< 6.5	< 0.83
1,2-Dichlorobenzene	60	600	< 0.54	< 1.4	< 1.4	NA	< 5.4	< 2.7	< 0.27	< 5.4	< 2.7	< 2.7	< 6.7	< 7.6	< 3.8	< 3.8	< 0.71
1,2-Dichloroethane	0.5	5	< 0.56	< 1.4	< 1.4	NA	< 5.6	< 2.8	< 0.28	< 5.6	< 2.8	< 2.8	< 7.8	< 7.8	< 3.9	< 3.9	***0.94 J***
1,2-Dichloropropane	0.5	5	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 8.6	< 10	< 5	< 5.0	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 1.2	< 1.2	NA	< 4.8	< 2.4	< 0.24	< 4.8	< 2.4	< 2.4	< 9.2	< 4.5	< 2.3	< 2.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.62	< 1.6	< 1.6	NA	< 6.2	< 3.1	< 0.31	< 6.2	< 3.1	< 3.1	< 6.8	< 7.7	< 3.9	< 3.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.9	< 0.9	NA	< 3.6	< 1.8	< 0.18	< 3.6	< 1.8	< 1.8	< 5.1	< 7.5	< 3.8	< 3.8	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 300	< 150	< 150	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 95	< 48	< 48	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 77	< 39	< 39	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 340	280 BJ	< 180 U	< 2.7
Benzene	0.5	5	< 0.15	< 0.37	< 0.37	NA	< 1.5	< 0.74	0.29 J	< 1.5	< 0.74	< 0.74	< 2.9	< 8.9	< 4.5	< 4.5	< 0.25
Bromodichloromethane	0.06	0.6	< 0.34	< 0.85	< 0.85	NA	< 3.4	< 1.7	< 0.17	< 3.4	< 1.7	< 1.7	< 7.4	< 7.7	< 3.9	< 3.9	< 0.36
Bromoform	0.44	4.4	< 0.56	< 1.4	< 1.4	NA	< 5.6	< 2.8	< 0.28	< 5.6	< 2.8	< 2.8	< 9.7	< 8.8	< 4.4	< 4.4	< 4.0
Bromomethane	1	10	< 0.62	< 1.6	< 1.6	NA	< 6.2	< 3.1	< 0.31	< 6.2	< 3.1 *	< 3.1	< 16	< 59	< 30	< 30	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.3	< 2.7	< 2.7	< 0.37
Carbon tetrachloride	0.5	5	< 0.52	< 1.3	< 1.3	NA	< 5.2	< 2.6	< 0.26	< 5.2	< 2.6	< 2.6	< 7.7	< 3.8	< 1.9	< 1.9	< 0.17
Chloroform	0.6	6	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 7.4	< 6.2	< 3.1	< 3.1	< 1.3
Chloromethane	3	30	< 0.36	< 0.9	< 0.9	NA	< 3.6	< 1.8	< 0.18	< 3.6	< 1.8	< 1.8	< 6.4	***49 BJ***	***9.5 J+***	< 13 U	< 2.2
cis-1,2-Dichloroethene	7	70	***910***	***970***	***1000***	NA	***930***	***760***	***650***	***720***	***630***	***690***	***820***	***200***	***240***	***67***	***69.6***
Dichlorodifluoromethane	200	1000	< 0.4	< 1	< 1	NA	< 4	< 2	< 0.2	< 4.0	< 2.0	< 2.0	< 11	< 11	< 5.5	< 5.5	< 0.50
Ethylbenzene	140	700	< 0.26	< 0.65	< 0.65	NA	< 2.6	< 1.3	< 0.13	< 2.6	< 1.3	< 1.3	< 3.7	< 5.4	< 2.7	< 2.7	< 0.22
Isopropylbenzene	NE	NE	< 0.28	< 0.7	< 0.7	NA	< 2.8	< 1.4	< 0.14	< 2.8	< 1.4	< 1.4	< 7.7	< 8.1	< 4.1	< 4.1	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.7	3 BJ	< 2.9	< 0.47
Methyl tert-butyl ether	12	60	< 0.48	< 1.2	< 1.2	NA	< 4.8	< 2.4	< 0.24	< 4.8	< 2.4	< 2.4	< 7.9	< 14	< 7	< 7.0	< 1.2
Methylene chloride	0.5	5	< 1.4	< 3.4	< 3.4	NA	< 14	< 6.8	< 0.68	< 14	< 6.8	< 6.8	< 33	< 14	< 7	< 7.0	< 0.58
Naphthalene	10	100	< 0.32	< 0.8	< 0.8	NA	< 3.2	< 1.6	< 0.16	< 3.2	< 1.6	< 1.6	< 6.7	< 8.8	< 4.4	< 4.4	< 1.2
n-Butylbenzene	NE	NE	< 0.26	< 0.65	< 0.65	NA	< 2.6	< 1.3	< 0.13	< 2.6	< 1.3	< 1.3	< 7.8	< 14	< 7	< 7.0	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 21	< 11	< 11	< 1.7
n-Propylbenzene	NE	NE	< 0.26	< 0.65	< 0.65	NA	< 2.6	< 1.3	< 0.13	< 2.6	< 1.3	< 1.3	< 8.3	< 10	< 5	< 5.0	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 2.9	< 2.9	< 0.26
p-Isopropyltoluene	NE	NE	< 0.34	< 0.85	< 0.85	NA	< 3.4	< 1.7	< 0.17	< 3.4	< 1.7	< 1.7	< 7.2	< 8.5	< 4.3	< 4.3	< 0.80
sec-Butylbenzene	NE	NE	< 0.3	< 0.75	< 0.75	NA	< 3	< 1.5	< 0.15	< 3.0	< 1.5	< 1.5	< 8.0	< 13	< 6.5	< 6.5	< 0.85
Styrene	10	100	< 0.2	< 0.5	< 0.5	NA	< 2	< 1	< 0.1	< 2.0	< 1.0	< 1.0	< 7.7	< 6.5	3.5 BJ	< 3.3	< 0.47
tert-Butylbenzene	NE	NE	< 0.28	< 0.7	< 0.7	NA	< 2.8	< 1.4	< 0.14	< 2.8	< 1.4	< 1.4	< 8.0	< 12	< 6	< 6.0	< 0.30
Tetrachloroethene	0.5	5	***1500***	***1500***	***2600***	NA	***7000***	***6300***	***6500***	***6700***	***4800***	***4300***	***12000***	***3100***	***3000***	***1000***	***715***
Toluene	160	800	< 0.22	< 0.55	< 0.55	NA	< 2.2	< 1.1	< 0.11	< 2.2	< 1.1	< 1.1	< 3.0	9.0 J	< 2.7	< 2.7	< 0.17
trans-1,2-Dichloroethene	20	100	12	15	17	NA	12 J	12	9.7	10 J	6.7 J	< 2.5	< 7.0	< 11	6 J	< 5.5	< 1.1
Trichloroethene	0.5	5	***340***	***370***	***460***	NA	***600***	***510***	***550***	***710***	***520***	***640***	***1100***	***450***	***460***	***110***	***101***
Trichlorofluoromethane	698	3490	< 0.38	< 0.95	< 0.95	NA	< 3.8	< 1.9	< 0.19	< 20	< 10	< 10	< 20	< 50	< 25	< 6.5	< 0.21
Vinyl chloride	0.02	0.2	***36***	***37***	***54***	NA	***13***	***9.3***	***8.1***	***6.2 J***	< 1.0	***11***	< 4.1	< 16	< 8	< 8.0	< 0.17
Xylenes, Total	400	2000	< 0.14	< 0.34	< 0.34	NA	< 1.4	< 0.68	< 0.068	< 1.4	< 0.68	< 0.68	< 4.4	< 5.8	< 5.8	< 5.8	< 1.5
Total PCBs																	
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.084	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																	
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																	
Total Dissolved Solids (mg/L)	NE	NE	1100	NA	1000	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft	135 - 139 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	01/17/2013	02/20/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 1.3	NA	< 2.5	< 2.5	< 1.3	< 2.5	< 2.5	< 2.5	< 4.6	< 11	< 5.5	< 5.5	< 0.27
1,1,1-Trichloroethane	40	200	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 3.8	< 10	< 5	< 5.0	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.56	< 1.4	NA	< 2.8	< 2.8	< 1.4	< 2.8	< 2.8	< 2.8	< 3.5	< 10	< 5	< 5.0	< 0.55
1,1-Dichloroethene	0.7	7	***1.5 J***	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1	< 3.1	< 3.9	< 14	< 7	< 7.0	0.40 J
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.7	NA	< 1.4	< 1.4	< 0.7	< 1.4	< 1.4	< 1.4	< 3.6	< 6.0	< 3	< 3.0	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.72	< 1.8	NA	< 3.6	< 3.6	< 1.8	< 3.6	< 3.6	< 3.6	< 3.9	< 13	< 6.5	< 6.5	< 0.83
1,2-Dichlorobenzene	60	600	< 0.54	< 1.4	NA	< 2.7	< 2.7	< 1.4	< 2.7	< 2.7	< 2.7	< 3.3	< 7.6	< 3.8	< 3.8	< 0.71
1,2-Dichloroethane	0.5	5	< 0.56	< 1.4	NA	< 2.8	< 2.8	< 1.4	< 2.8	< 2.8	< 2.8	< 3.9	< 7.8	< 3.9	< 3.9	< 0.28
1,2-Dichloropropane	0.5	5	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 4.3	< 10	< 5	< 5.0	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 1.2	NA	< 2.4	< 2.4	< 1.2	< 2.4	< 2.4	< 2.4	< 4.6	< 4.5	< 2.3	< 2.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.62	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1	< 3.1	< 3.4	< 7.7	< 3.9	< 3.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.9	NA	< 1.8	< 1.8	< 0.9	< 1.8	< 1.8	< 1.8	< 2.5	< 7.5	< 3.8	< 3.8	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 300	< 150	< 150	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 95	< 48	< 48	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 77	< 39	< 39	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 340	260 J	< 280 U	< 2.7
Benzene	0.5	5	0.41 J	***1.1 J***	NA	< 0.74	< 0.74	< 0.37	< 0.74	< 0.74	< 0.74	< 1.5	< 8.9	< 4.5	< 4.5	< 0.25
Bromodichloromethane	0.06	0.6	< 0.34	< 0.85	NA	< 1.7	< 1.7	< 0.85	< 1.7	< 1.7	< 1.7	< 3.7	< 7.7	< 3.9	< 3.9	< 0.36
Bromoform	0.44	4.4	< 0.56	< 1.4	NA	< 2.8	< 2.8	< 1.4	< 2.8	< 2.8	< 2.8	< 4.8	< 8.8	< 4.4	< 4.4	< 4.0
Bromomethane	1	10	< 0.62	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1 *	< 3.1	< 8.0	< 59	< 30	***56 J+***	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.3	< 2.7	< 2.7	< 0.37
Carbon tetrachloride	0.5	5	< 0.52	< 1.3	NA	< 2.6	< 2.6	< 1.3	< 2.6	< 2.6	< 2.6	< 3.8	< 3.8	< 1.9	< 1.9	< 0.17
Chloroform	0.6	6	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 3.7	< 6.2	< 3.1	< 3.1	< 1.3
Chloromethane	3	30	< 0.36	< 0.9	NA	< 1.8	< 1.8	< 0.9	< 1.8	< 1.8	< 1.8	< 3.2	***46 BJ***	***11 J+***	< 13 U	< 2.2
cis-1,2-Dichloroethene	7	70	***1100***	***910***	NA	***540***	***420***	***380***	***370***	***330***	***410***	***170***	***87***	***190***	***150***	***166***
Dichlorodifluoromethane	200	1000	< 0.4	< 1	NA	< 2	< 2	< 1	< 2.0	< 2.0	< 2.0	< 5.4	< 11	< 5.5	< 5.5	< 0.50
Ethylbenzene	140	700	< 0.26	< 0.65	NA	< 1.3	< 1.3	< 0.65	< 1.3	< 1.3	< 1.3	< 1.8	< 5.4	< 2.7	< 2.7	< 0.22
Isopropylbenzene	NE	NE	< 0.28	< 0.7	NA	< 1.4	< 1.4	< 0.7	< 1.4	< 1.4	< 1.4	< 3.9	< 8.1	< 4.1	< 4.1	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.7	< 2.9	< 2.9	< 0.47
Methyl tert-butyl ether	12	60	< 0.48	< 1.2	NA	< 2.4	< 2.4	< 1.2	< 2.4	< 2.4	< 2.4	< 3.9	< 14	< 7	< 7.0	< 1.2
Methylene chloride	0.5	5	< 1.4	< 3.4	NA	< 6.8	< 6.8	< 3.4	< 6.8	< 6.8	< 6.8	< 16	< 14	< 7	< 7.0	< 0.58
Naphthalene	10	100	< 0.32	< 0.8	NA	< 1.6	< 1.6	< 0.8	< 1.6	< 1.6	< 1.6	< 3.4	< 8.8	< 4.4	< 4.4	< 1.2
n-Butylbenzene	NE	NE	< 0.26	< 0.65	NA	< 1.3	< 1.3	< 0.65	< 1.3	< 1.3	< 1.3	< 3.9	< 14	< 7	< 7.0	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 21	< 11	< 11	< 1.7
n-Propylbenzene	NE	NE	< 0.26	< 0.65	NA	< 1.3	< 1.3	< 0.65	< 1.3	< 1.3	< 1.3	< 4.1	< 10	< 5	< 5.0	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 2.9	< 2.9	< 0.26
p-Isopropyltoluene	NE	NE	< 0.34	< 0.85	NA	< 1.7	< 1.7	< 0.85	< 1.7	< 1.7	< 1.7	< 3.6	< 8.5	< 4.3	< 4.3	< 0.80
sec-Butylbenzene	NE	NE	< 0.3	< 0.75	NA	< 1.5	< 1.5	< 0.75	< 1.5	< 1.5	< 1.5	< 4.0	< 13	< 6.5	< 6.5	< 0.85
Styrene	10	100	< 0.2	< 0.5	NA	< 1	< 1	< 0.5	< 1.0	< 1.0	< 1.0	< 3.9	< 6.5	3.5 BJ	< 3.3	< 0.47
tert-Butylbenzene	NE	NE	< 0.28	< 0.7	NA	< 1.4	< 1.4	< 0.7	< 1.4	< 1.4	< 1.4	< 4.0	< 12	< 6	< 6.0	< 0.30
Tetrachloroethene	0.5	5	***1900***	***2300***	NA	***3800***	***4200***	***6500***	***5200***	***6300***	***5700***	***5500***	***2000***	***4100***	***3800***	***3290***
Toluene	160	800	< 0.22	< 0.55	NA	< 1.1	< 1.1	< 0.55	< 1.1	< 1.1	< 1.1	< 1.5	8.0 J	< 2.7	< 2.7	< 0.17
trans-1,2-Dichloroethene	20	100	17	15	NA	8.5 J	5.4 J	< 1.3	< 2.5	< 2.5	< 2.5	< 3.5	< 11	< 5.5	< 5.5	2.5 J
Trichloroethene	0.5	5	***450***	***430***	NA	***310***	***260***	***310***	***320***	***270***	***370***	***210***	***100***	***250***	***250***	***285***
Trichlorofluoromethane	698	3490	< 0.38	< 0.95	NA	< 1.9	< 1.9	< 0.95	< 10	< 10	< 10	< 10	< 50	< 25	< 6.5	< 0.21
Vinyl chloride	0.02	0.2	***50***	***42***	NA	***11***	***8.1***	***5.8***	***4.0 J***	***3.7 J***	***4.4 J***	< 2.0	< 16	< 8	< 8.0	***0.63 J***
Xylenes, Total	400	2000	< 0.14	< 0.34	NA	< 0.68	< 0.68	< 0.34	< 0.68	< 0.68	< 0.68	< 2.2	< 5.8	< 5.8	< 5.8	< 1.5
Total PCBs																
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																
Total Dissolved Solids (mg/L)	NE	NE	1100	960	890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13	MP-13
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft	163 - 167 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	12/04/2012	01/16/2013	02/20/2013	04/17/2013	07/22/2013	10/07/2013	04/16/2014	10/14/2014	04/14/2015	10/16/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 1.3	< 0.25	NA	< 0.5	< 0.25	< 0.25	< 0.50	< 0.50	< 0.25	< 0.46	< 0.22	< 0.11	< 0.22	< 0.27
1,1,1-Trichloroethane	40	200	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.38	< 0.20	< 0.1	< 0.20	< 0.24
1,1,2-Trichloroethane	0.5	5	< 1.4	< 0.28	NA	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.28	< 0.35	< 0.20	< 0.1	< 0.20	< 0.55
1,1-Dichloroethene	0.7	7	< 1.6	***0.97 J***	NA	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62	< 0.31	< 0.39	< 0.28	< 0.14	< 0.28	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.7	< 0.14	NA	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.36	< 0.12	< 0.06	< 0.12	< 0.84
1,2-Dibromoethane	0.005	0.05	< 1.8	< 0.36	NA	< 0.72	< 0.36	< 0.36	< 0.72	< 0.72	< 0.36	< 0.39	< 0.26	< 0.13	< 0.26	< 0.83
1,2-Dichlorobenzene	60	600	< 1.4	< 0.27	NA	< 0.54	< 0.27	< 0.27	< 0.54	< 0.54	< 0.27	< 0.33	< 0.15	< 0.076	< 0.15	< 0.71
1,2-Dichloroethane	0.5	5	< 1.4	< 0.28	NA	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.28	< 0.39	< 0.16	< 0.078	< 0.16	< 0.28
1,2-Dichloropropane	0.5	5	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.43	< 0.20	< 0.1	< 0.20	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 1.2	< 0.24	NA	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.24	< 0.46	< 0.090	< 0.045	< 0.090	< 0.63
1,2,4-Trichlorobenzene	14	70	< 1.6	< 0.31	NA	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62	< 0.31	< 0.34	< 0.15	< 0.077	< 0.15	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.9	< 0.18	NA	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.18	< 0.25	< 0.15	< 0.075	< 0.15	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 3	< 6.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 0.95	< 1.9	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 0.77	< 1.5	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	5.2 BJ	< 6.8	15.3 J
Benzene	0.5	5	< 0.37	< 0.074	NA	< 0.15	< 0.074	< 0.074	< 0.15	< 0.15	< 0.074	< 0.15	< 0.18	< 0.089	< 0.18	< 0.25
Bromodichloromethane	0.06	0.6	< 0.85	< 0.17	NA	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.17	< 0.37	< 0.15	< 0.077	< 0.15	< 0.36
Bromoform	0.44	4.4	< 1.4	< 0.28	NA	< 0.56	< 0.28	< 0.28	< 0.56	< 0.56	< 0.28	< 0.48	< 0.18	< 0.088	< 0.18	< 4.0
Bromomethane	1	10	< 1.6	< 0.31	NA	< 0.62	< 0.31	< 0.31	< 0.62	< 0.62 *	< 0.31	< 0.80	< 1.2	< 0.59	< 1.2	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.053	< 0.11	< 0.37
Carbon tetrachloride	0.5	5	< 1.3	< 0.26	NA	< 0.52	< 0.26	< 0.26	< 0.52	< 0.52	< 0.26	< 0.38	< 0.076	< 0.038	< 0.076	< 0.17
Chloroform	0.6	6	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.37	< 0.12	< 0.062	< 0.12	< 1.3
Chloromethane	3	30	< 0.9	< 0.18	NA	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.18	< 0.32	0.76 BJ	0.46 J+	< 0.32	< 2.2
cis-1,2-Dichloroethene	7	70	***970***	***730***	NA	***460***	***200***	***170***	***180***	***160***	***150***	***33***	3.8	3.6	5.8	***23.2***
Dichlorodifluoromethane	200	1000	< 1	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.54	< 0.22	< 0.11	< 0.22	< 0.50
Ethylbenzene	140	700	< 0.65	< 0.13	NA	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.18	< 0.11	< 0.054	< 0.11	< 0.22
Isopropylbenzene	NE	NE	< 0.7	< 0.14	NA	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.39	< 0.16	< 0.081	< 0.16	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.057	< 0.11	< 0.47
Methyl tert-butyl ether	12	60	< 1.2	< 0.24	NA	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.24	< 0.39	< 0.28	< 0.14	< 0.28	< 1.2
Methylene chloride	0.5	5	< 3.4	< 0.68	NA	< 1.4	< 0.68	< 0.68	< 1.4	< 1.4	< 0.68	< 1.6	< 0.28	< 0.14	< 0.28	< 0.58
Naphthalene	10	100	< 0.8	< 0.16	NA	< 0.32	< 0.16	< 0.16	< 0.32	< 0.32	< 0.16	< 0.34	< 0.18	< 0.088	< 0.18	< 1.2
n-Butylbenzene	NE	NE	< 0.65	< 0.13	NA	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.39	< 0.28	< 0.14	< 0.28	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.21	< 0.42	< 1.7
n-Propylbenzene	NE	NE	< 0.65	< 0.13	NA	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.41	< 0.20	< 0.1	< 0.20	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.058	< 0.12	< 0.26
p-Isopropyltoluene	NE	NE	< 0.85	< 0.17	NA	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.17	< 0.36	< 0.17	< 0.085	< 0.17	< 0.80
sec-Butylbenzene	NE	NE	< 0.75	< 0.15	NA	< 0.3	< 0.15	< 0.15	< 0.30	< 0.30	< 0.15	< 0.40	< 0.26	< 0.13	< 0.26	< 0.85
Styrene	10	100	< 0.5	< 0.1	NA	< 0.2	< 0.1	< 0.1	< 0.20	< 0.20	< 0.10	< 0.39	< 0.13	< 0.065	< 0.13	< 0.47
tert-Butylbenzene	NE	NE	< 0.7	< 0.14	NA	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.40	< 0.24	< 0.12	< 0.24	< 0.30
Tetrachloroethene	0.5	5	***1400***	***930***	NA	***840***	***510***	***680***	***870***	***930***	***910***	***350***	***43***	***45***	***60***	***79.7***
Toluene	160	800	< 0.55	< 0.11	NA	< 0.22	< 0.11	< 0.11	< 0.22	< 0.22	< 0.11	< 0.15	< 0.11	0.08 BJ	< 0.11	0.33 J
trans-1,2-Dichloroethene	20	100	15	13	NA	7.5	3.3	2.6	3.3	1.9 J	1.9	< 0.35	< 0.22	< 0.11	< 0.22	< 1.1
Trichloroethene	0.5	5	***370***	***250***	NA	***200***	***92***	***96***	***110***	***100***	***99***	***33***	***4.8***	***4.4***	***4.9***	***9.1***
Trichlorofluoromethane	698	3490	< 0.95	< 0.19	NA	< 0.38	< 0.19	< 0.19	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 0.5	< 0.26	< 0.21
Vinyl chloride	0.02	0.2	***41***	***27***	NA	***6.8***	***0.74***	***0.72***	***0.56 J***	< 0.20	***1.1***	< 0.20	< 0.32	< 0.16	< 0.32	***0.38 J***
Xylenes, Total	400	2000	< 0.34	< 0.068	NA	< 0.14	< 0.068	< 0.068	< 0.14	< 0.14	< 0.068	< 0.22	< 0.12	< 0.12	< 0.23	< 1.5
Total PCBs																
Aroclor-1016	0.003	0.03	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.083	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.098	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																
Total Dissolved Solids (mg/L)	NE	NE	1100	850	890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	70 - 75 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017	10/09/2018	10/09/2019
VOCs																							
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	8.4 BJ	< 3.4	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	1.3 J	< 0.60 U	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	< 0.27
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	0.72 J	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.44 U	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.20 U	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***0.71 J***	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	***1.5***	< 0.17	< 0.17	< 0.17	***1.7***	< 0.17	***1***	< 0.17	< 0.37	***0.54***	0.45 J-	0.47 J	< 0.33 U
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.10 J	< 0.053	0.060 J	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 1.1
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.26
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12	< 1.5
Total PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																							
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																							
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft	135 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	04/13/2015	10/15/2015	01/20/2016	04/19/2016	07/18/2016	10/11/2016	1/18/2017	04/10/2017	10/02/2017	04/02/2018	10/09/2018	04/08/2019	10/09/2019
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.25	< 0.25	< 0.25	< 0.46	< 1.1	< 2.2	< 0.11	< 1.1	< 1.1	< 0.11	< 1.1	< 0.11	< 1.1	< 1.1	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.38	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10	< 1.0	< 0.98	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.28	< 0.28	< 0.35	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10	< 1.0	< 2.2	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.31	< 0.31	< 0.39	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14	< 1.4	< 0.98	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.36	< 0.60	< 1.2	< 0.060	< 0.60	< 0.60	< 0.060	< 0.6	< 0.060	< 0.60	< 3.4	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.72	< 0.36	< 0.72	< 0.36	< 0.36	< 0.36	< 0.39	< 1.3	< 2.6	< 0.13	< 1.3	< 1.3	< 0.13	< 1.3	< 0.13	< 1.3	< 3.3	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.54	< 0.27	< 0.54	< 0.27	< 0.27	< 0.27	< 0.33	< 0.76	< 1.5	< 0.076	< 0.76	< 0.76	< 0.076	< 0.76	< 0.076	< 0.76	< 2.8	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.28	< 0.28	< 0.39	< 0.78	< 1.6	< 0.078	< 0.78	< 0.78	< 0.078	< 0.78	< 0.078	< 0.78	< 1.1	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.43	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10	< 1.0	< 1.1	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.24	< 0.24	< 0.46	< 0.45	3.4 BJ	< 0.045	< 0.45	< 0.45	< 0.045	< 0.45	< 0.045	< 0.45	< 2.5	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.31	< 0.31	< 0.34	< 0.77	2.4 J	< 0.077	< 0.77	< 0.77	< 0.077	< 0.77	< 0.077	< 0.77	< 3.8	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.18	< 0.18	< 0.25	< 0.75	< 1.5	< 0.075	< 0.75	< 0.75	< 0.075	< 0.75	< 0.075	< 0.75	< 3.5	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 60	< 3.0	< 30	< 30	< 3.0	< 30	< 3.0	< 30	< 11.7	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 19	< 0.95	< 9.5	< 9.5	< 0.95	< 9.5	< 0.95	< 9.5	< 9.8	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 15	< 0.77	< 7.7	< 7.7	< 0.77	< 7.7	< 0.77	< 7.7	< 6.1	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 34	< 68	< 3.4	< 34	< 34	< 3.4	< 34	< 3.4	< 34	< 11.0	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.074	< 0.074	< 0.074	< 0.15	< 0.89	< 1.8	< 0.089	< 0.89	< 0.89	< 0.089	< 0.89	< 0.089	< 0.89	< 0.99	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.17	< 0.17	< 0.37	< 0.77	< 1.5	< 0.077	< 0.77	***0.80 BJ***	< 0.077	< 0.77	< 0.077	< 0.77	< 1.5	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.28	< 0.28	< 0.28	< 0.48	< 0.88	< 1.8	< 0.088	< 0.88	< 0.88	< 0.088	< 0.88	< 0.088	< 0.88	< 15.9	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.31	< 0.31 *	< 0.31	< 0.80	< 5.9	< 12	< 0.59	< 5.9	< 5.9	< 0.59	< 5.9	< 0.59	< 5.9	< 3.9	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53	< 1.1	< 0.053	3.3 J	< 0.53	< 0.053	< 0.53	0.080 J	< 0.53	< 1.5	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.52	< 0.26	< 0.52	< 0.26	< 0.26	< 0.26	< 0.38	< 0.38	< 0.76	< 0.038	< 0.38	< 0.38	< 0.038	< 0.38	< 0.038	< 0.38	< 0.66	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.37	< 0.62	< 1.2	< 0.062	< 0.62	< 0.62	< 0.062	< 0.62	0.10 J+	< 0.62	< 5.1	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.18	< 0.18	< 0.32	< 1.6	< 3.2	0.16 J	***12 BJ***	< 1.6	< 0.16	***3.4 J+***	< 0.16	< 3.3 U	< 8.8	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.12	***17***	***27***	***29***	***27***	***12***	***8.1***	4.3	***13***	***12***	***16***	***13***	***13***	***12 B***	***12***	***11***	***17***	***17***	***15.6***	***13.8***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.20	< 0.20	< 0.20	< 0.54	< 1.1	< 2.2	0.11 J	< 1.1	< 1.1	< 0.11	< 1.1	0.21 J+	< 1.1	< 2.0	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.18	< 0.54	< 1.1	< 0.054	< 0.54	< 0.54	< 0.054	< 0.54	< 0.054	< 0.54	< 0.87	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.39	< 0.81	< 1.6	< 0.081	< 0.81	< 0.81	< 0.081	< 0.81	< 0.081	< 0.81	< 1.6	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	< 1.1	< 0.057	< 0.57	< 0.57	< 0.057	< 0.57	< 0.057	< 0.57	< 1.9	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.24	< 0.24 *	< 0.24	< 0.39	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14	< 1.4	< 5.0	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 1.4	< 0.68	< 1.4	< 0.68	< 0.68	< 0.68	< 1.6	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14	< 1.4	< 2.3	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.32	< 0.16	< 0.32	< 0.16	< 0.16	< 0.16	< 0.34	< 0.88	6.8 BJ	< 0.088	< 0.88	< 0.88	< 0.088	< 0.88	< 0.088	< 0.88	< 4.7	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.39	< 1.4	< 2.8	< 0.14	< 1.4	< 1.4	< 0.14	< 1.4	< 0.14	< 1.4	< 2.8	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1	< 4.2	< 0.21	< 2.1	< 2.1	< 0.21	< 2.1	< 0.21	< 2.1	< 6.8	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.41	< 1.0	< 2.0	< 0.10	< 1.0	< 1.0	< 0.10	< 1	< 0.10	< 1.0	< 3.2	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 1.2	< 0.058	< 0.58	< 0.58	< 0.058	< 0.58	< 0.058	< 0.58	< 1.0	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.17	< 0.17	< 0.17	< 0.36	< 0.85	< 1.7	< 0.085	< 0.85	< 0.85	< 0.085	< 0.85	< 0.085	< 0.85	< 3.2	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.3	< 0.15	< 0.3	< 0.15	< 0.15	< 0.15	< 0.40	< 1.3	< 2.6	< 0.13	< 1.3	< 1.3	< 0.13	< 1.3	< 0.13	< 1.3	< 3.4	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.10	< 0.10	< 0.10	< 0.39	< 0.65	< 1.3	< 0.065	< 0.65	< 0.65	< 0.065	< 0.65	< 0.065	< 0.65	< 1.9	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.40	< 1.2	< 2.4	< 0.12	< 1.2	< 1.2	< 0.12	< 1.2	< 0.12	< 1.2	< 1.2	< 0.30
Tetrachloroethene	0.5	5	***1.7***	***430***	***820***	***920***	***970***	***350***	***190***	***110***	***320***	***290***	***310***	***230***	***250***	***230***	***270***	***250***	***370***	***370***	***408***	***303***
Toluene	160	800	< 0.11	< 0.11	< 0.22	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.15	< 0.53	< 1.1	< 0.053	1.4 J	1.5 BJ	< 0.053	< 0.53	< 0.053	< 0.53	< 0.69	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.25	< 0.25	< 0.25	< 0.35	< 1.1	< 2.2	0.24 J	< 1.1	< 1.1	0.18 J	< 1.1	0.39 J+	< 1.1	< 4.4	< 1.1
Trichloroethene	0.5	5	0.24 J	***31***	***53***	***51***	***53***	***23***	***16***	***7.9***	***25***	***24***	***28***	***24***	***25***	***21***	***25***	***20***	***31***	***29***	***31***	***26.1***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.38	< 0.19	< 0.38	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10	< 0.50	< 5.0	< 5.0	< 0.50	< 5	< 0.5	< 1.3	< 0.86	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.2	< 0.1	***0.53 J***	< 0.10	< 0.10	< 0.10	< 0.20	< 1.6	< 3.2	< 0.16	< 1.6	< 1.6	< 0.16	< 1.6	< 0.16	< 1.6	< 0.70	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.14	< 0.068	< 0.14	< 0.068	< 0.068	< 0.068	< 0.22	< 0.58	< 1.2	< 0.058	< 0.58	< 1.2	< 0.12	< 1.2	< 0.12	< 1.2	< 6.0	< 1.5
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-14	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	170 - 178 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft	88 - 92 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/21/2013	04/16/2013	07/16/2013	07/22/2013	10/08/2013	04/14/2014	10/17/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017	10/09/2018	10/09/2019	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.50	< 0.50	< 0.25	< 0.46	< 0.22	< 2.2	< 5.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 1.1	< 0.55	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.38	< 0.20	< 2	< 5.0	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 1.0	< 0.5	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.35	< 0.20	< 2	< 5.0	< 0.55	< 0.28	***2.2***	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 1.0	< 0.5	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.39	< 0.28	< 2.8	< 7.0	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 1.4	< 0.7	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.36	< 0.12	< 1.2	< 3.0	< 0.84	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.60	< 0.3	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.72	< 0.36	< 0.72	< 0.72	< 0.72	< 0.36	< 0.39	< 0.26	< 2.6	< 6.5	< 0.83	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 1.3	< 0.65	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.54	< 0.27	< 0.54	< 0.54	< 0.54	< 0.27	< 0.33	< 0.15	< 1.5	< 3.8	< 0.71	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.76	< 0.38	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.39	< 0.16	< 1.6	< 3.9	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.78	< 0.39	< 0.078	0.42 J
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.43	< 0.20	< 2	< 5.0	< 0.28	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 1.0	< 0.5	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48	< 0.24	< 0.46	< 0.090	< 0.9	< 2.3	< 0.63	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.45	< 0.23	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.34	< 0.15	< 1.5	< 3.9	< 0.95	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.77	< 0.39	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.25	< 0.15	< 1.5	< 3.8	< 0.87	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.75	< 0.38	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 60	< 150	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	< 30	< 15	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 19	< 48	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5	< 4.8	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 15	< 39	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	< 7.7	< 3.9	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	< 68	< 170	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	< 34	26 BJ	< 3.4	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.15	< 0.074	< 0.15	< 0.15	< 0.15	< 0.074	< 0.15	< 0.18	< 1.8	< 4.5	< 0.25	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.89	< 0.45	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.37	< 0.15	< 1.5	< 3.9	< 0.36	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.77	< 0.39	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.48	< 0.18	< 1.8	< 4.4	< 4.0	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.88	< 0.44	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62 *	< 0.31	< 0.80	< 1.2	< 12	< 30	< 0.97	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 5.9	< 3	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 1.1	< 2.7	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	3.1 J	< 0.27	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.52	< 0.26	< 0.52	< 0.52	< 0.52	< 0.26	< 0.38	< 0.076	< 0.76	< 1.9	< 0.17	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.38	< 0.19	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.37	< 0.12	***1.2 J***	< 3.1	< 1.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.62	< 0.31	< 0.062	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.32	0.92 BJ	***5.2 J+***	< 8.0	< 2.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	***11 BJ***	1.3 J+	< 0.29 U	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	***22***	***21***	***22***	***19***	***24***	***22***	***30***	***30***	***32***	***34***	***29***	***7.5***	***23***	***14***	***20***	***23***	***12***	***17***	***15***	***25***	***17***	***12***	***24.9***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.54	< 0.22	< 2.2	< 5.5	< 0.50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 1.1	< 0.55	0.16 J	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.18	< 0.11	< 1.1	< 2.7	< 0.22	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.54	< 0.27	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.39	< 0.16	< 1.6	< 4.1	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.81	< 0.41	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	1.2 BJ	< 2.9	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	0.3 BJ	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48 *	< 0.24	< 0.39	< 0.28	< 2.8	< 7.0	< 1.2	2.3	0.84 J	< 0.24	3.3	3.5	< 0.24	< 0.24	2.5	4.0 J	< 0.7	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 1.4	< 0.68	< 1.4	< 1.4	< 1.4	< 0.68	< 1.6	< 0.28	< 2.8	< 7.0	< 0.58	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 1.4	< 0.7	< 0.23 U	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.32	< 0.16	< 0.32	< 0.32	< 0.32	< 0.16	< 0.34	< 0.18	< 1.8	< 4.4	< 1.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.88	< 0.44	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.39	< 0.28	< 2.8	< 7.0	< 0.71	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 1.4	< 0.7	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 4.2	< 11	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	4.0 J	< 1.1	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.41	< 0.20	< 2	< 5.0	< 0.81	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 1.0	< 0.5	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 1.2	< 2.9	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	< 0.29	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.36	< 0.17	< 1.7	< 4.3	< 0.80	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.85	< 0.43	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.3	< 0.15	< 0.3	< 0.30	< 0.30	< 0.15	< 0.40	< 0.26	< 2.6	< 6.5	< 0.85	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 1.3	< 0.65	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.10	< 0.39	< 0.13	1.6 BJ	< 3.3	< 0.47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.65	0.35 BJ	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.40	< 0.24	< 2.4	< 6.0	< 0.30	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 1.2	< 0.6	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***1.2***	***9.2***	***520***	***520***	***640***	***630***	***890***	***640 E***	***690***	***730***	***840***	***920***	***654***	***130***	***160***	***130***	***220***	***300***	***100***	***160***	***150***	***160***	***160***	***120***	***232***
Toluene	160	800	< 0.11	< 0.11	< 0.22	< 0.11	< 0.22	< 0.22	< 0.22	< 0.11	< 0.15	< 0.11	< 1.1	< 2.7	< 0.17	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	1.5 J	< 0.27	< 0.053	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.5	< 0.25	< 0.5	< 0.50	< 0.50	< 0.25	< 0.35	0.40 J	< 2.2	< 5.5	< 1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 1.1	< 0.55	< 0.11	< 1.1
Trichloroethene	0.5	5	< 0.19	***0.78***	***42***	***37***	***37***	***33***	***46***	***40***	***57***	***58***	***60***	***64***	***54.6***	***11***	***15***	***12***	***19***	***24***	***12***	***16***	***14***	***19***	***14***	***10***	***19.1***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.38	< 0.19	< 0.38	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 10	< 6.5	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 2.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.10	< 0.20	< 0.32	< 3.2	< 8.0	< 0.17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 1.6	< 0.8	***0.19 J+***	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.14	< 0.068	< 0.14	< 0.14	< 0.14	< 0.068	< 0.22	< 0.12	< 2.3	< 5.8	< 1.5	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.58	< 0.58	< 0.12	< 1.5
Total PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																											
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	100 - 105 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft	120 - 125 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.5	< 0.50	< 0.50	< 0.25	< 0.46	< 2.2	< 2.2	< 5.5	< 0.27	< 0.5	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.92	< 11	< 5.5	< 5.5	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.38	< 2.0	< 2	< 5.0	< 0.24	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.76	< 10	< 5	< 5.0	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.35	< 2.0	< 2	< 5.0	< 0.55	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.70	< 10	< 5	< 5.0	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.39	< 2.8	< 2.8	< 7.0	< 0.24	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.78	< 14	< 7	< 7.0	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.36	< 1.2	< 1.2	< 3.0	< 0.84	< 0.28	< 0.28	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.72	< 6.0	< 3	< 3.0	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72	< 0.72	< 0.36	< 0.39	< 2.6	< 2.6	< 6.5	< 0.83	< 0.72	< 0.72	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.77	< 13	< 6.5	< 6.5	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.54	< 0.54	< 0.54	< 0.27	< 0.33	< 1.5	< 1.5	< 3.8	< 0.71	< 0.54	< 0.54	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.67	< 7.6	< 3.8	< 3.8	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.39	< 1.6	< 1.6	< 3.9	< 0.28	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.78	< 7.8	< 3.9	< 3.9	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.43	< 2.0	< 2	< 5.0	< 0.28	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.86	< 10	< 5	< 5.0	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.24	< 0.46	< 0.90	< 0.9	< 2.3	< 0.63	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.92	< 4.5	< 2.3	< 2.3	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.34	< 1.5	< 1.5	< 3.9	< 0.95	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.68	< 7.7	< 3.9	< 3.9	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.25	< 1.5	< 1.5	< 3.8	< 0.87	< 0.36	< 0.36	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.51	< 7.5	< 3.8	< 3.8	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 60	< 150	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	< 300	< 150	< 150	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 19	< 19	< 48	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 95	< 48	< 48	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 15	< 39	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	< 77	< 39	< 39	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 68	< 68	< 170	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	< 340	< 170	< 170	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.15	< 0.15	< 0.15	< 0.074	< 0.15	< 1.8	< 1.8	< 4.5	< 0.25	< 0.15	< 0.15	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.29	< 8.9	< 4.5	< 4.5	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.37	< 1.5	< 1.5	< 3.9	< 0.36	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.74	< 7.7	< 3.9	< 3.9	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.28	< 0.48	< 1.8	< 1.8	< 4.4	< 4.0	< 0.56	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.97	< 8.8	< 4.4	< 4.4	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.31	< 0.80	< 12	< 12	< 30	< 0.97	< 0.62	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 59	< 30	< 30	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	5.6 J	< 1.1	< 2.7	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	29 J	< 2.7	< 2.7	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 0.26	< 0.38	< 0.76	< 0.76	< 1.9	< 0.17	< 0.52	< 0.52	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.77	< 3.8	< 1.9	< 1.9	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.37	< 1.2	< 1.2	< 3.1	< 1.3	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 0.74	< 6.2	< 3.1	< 3.1	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.18	< 0.32	***21 BJ***	< 3.2	< 17 U	< 2.2	< 0.36	< 0.36	< 0.9	< 0.9	< 0.90	< 0.90	< 0.90	< 0.64	***96 BJ***	< 8	< 8.0	< 2.2
cis-1,2-Dichloroethene	7	70	***9.3***	***37***	***68***	***76***	***96***	***83***	***66***	***77***	***61***	***79***	***69***	***52.5***	***200***	***230***	***250***	***220***	***230***	***260***	***200***	***230***	***220***	***140***	***85***	***53.5***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.20	< 0.54	< 2.2	< 2.2	< 5.5	< 0.50	< 0.4	< 0.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.1	< 11	< 5.5	< 5.5	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.18	< 1.1	< 1.1	< 2.7	< 0.22	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.37	< 5.4	< 2.7	< 2.7	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.39	< 1.6	< 1.6	< 4.1	< 0.39	< 0.28	< 0.28	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.77	< 8.1	< 4.1	< 4.1	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1.1	< 2.9	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	< 5.7	< 2.9	< 2.9	< 0.47
Methyl tert-butyl ether	12	60	2.2	1.3	< 0.24	< 0.48	< 0.48	< 0.48	< 0.24	< 0.39	< 2.8	< 2.8	< 7.0	< 1.2	< 0.48	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.79	< 14	< 7	< 7.0	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 1.4	< 1.4	< 1.4	< 0.68	< 1.6	< 2.8	< 2.8	< 7.0	< 0.58	< 1.4	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.3	< 14	< 7	< 7.0	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.32	< 0.32	< 0.32	< 0.16	< 0.34	< 1.8	< 1.8	< 4.4	< 1.2	< 0.32	< 0.32	< 0.8	< 0.8	< 0.80	< 0.80	< 0.80	< 0.67	< 8.8	< 4.4	< 4.4	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.39	< 2.8	< 2.8	< 7.0	< 0.71	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.78	< 14	< 7	< 7.0	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	6.2 J	< 4.2	< 11	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	< 21	< 11	< 11	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.13	< 0.41	< 2.0	< 2	< 5.0	< 0.81	< 0.26	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.83	< 10	< 5	< 5.0	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	< 1.2	< 2.9	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 2.9	< 2.9	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.17	< 0.36	< 1.7	< 1.7	< 4.3	< 0.80	< 0.34	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.72	< 8.5	< 4.3	< 4.3	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.3	< 0.30	< 0.30	< 0.15	< 0.40	< 2.6	< 2.6	< 6.5	< 0.85	< 0.3	< 0.3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.80	< 13	< 6.5	< 6.5	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.2	< 0.20	< 0.20	< 0.10	< 0.39	< 1.3	1.6 BJ	< 3.3	< 0.47	< 0.2	< 0.2	< 0.5	< 0.5	< 0.50	< 0.50	< 0.50	< 0.77	< 6.5	4 BJ	< 3.3	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.14	< 0.40	< 2.4	< 2.4	< 6.0	< 0.30	< 0.28	< 0.28	< 0.7	< 0.7	< 0.70	< 0.70	< 0.70	< 0.80	< 12	< 6	< 6.0	< 0.30
Tetrachloroethene	0.5	5	***230***	***440***	***660***	***690***	***890***	***930***	***790***	***850***	***910***	***820***	***990***	***867***	***1100***	***1900***	***2100***	***1800***	***2000***	***2300***	***1700***	***2200***	***2900***	***2300***	***1700***	***1160***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.22	< 0.22	< 0.22	< 0.11	< 0.15	2.8 J	< 1.1	< 2.7	< 0.17	< 0.22	< 0.22	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.30	12 J	< 2.7	< 2.7	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	0.51 J	< 0.5	1.2 J	< 0.50	< 0.25	0.54 J	< 2.2	< 2.2	< 5.5	< 1.1	1.3 J	1.7 J	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	1.6 J	< 11	< 5.5	< 5.5	< 1.1
Trichloroethene	0.5	5	***16***	***41***	***65***	***72***	***92***	***93***	***74***	***83***	***81***	***85***	***80***	***76.9***	***160***	***210***	***220***	***190***	***210***	***280***	***190***	***220***	***250***	***190***	***110***	***71.7***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.38	< 2.0	< 2.0	< 1.0	< 1.0	< 10	< 10	< 6.5	< 0.21	< 0.38	< 0.38	< 0.95	< 0.95	< 5.0	< 5.0	< 5.0	< 2.0	< 50	< 25	< 6.5	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.2	< 0.20	***0.46 J***	< 0.10	< 0.20	< 3.2	< 3.2	< 8.0	***0.38 J***	< 0.2	***1***	***1.9 J***	< 0.5	< 0.50	***1.6 J***	< 0.50	< 0.41	< 16	< 8	< 8.0	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.14	< 0.14	< 0.14	< 0.068	< 0.22	< 1.2	< 2.3	< 5.8	< 1.5	< 0.14	< 0.14	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.44	< 5.8	< 5.8	< 5.8	< 1.5
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15	MP-15
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	142 - 146 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft	177 - 187 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019	01/22/2013	04/15/2013	07/22/2013	10/08/2013	04/15/2014	10/16/2014	04/14/2015	10/15/2015	10/10/2016	10/03/2017	10/09/2018	10/08/2019
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.5	< 0.50	< 0.50	< 0.50	< 0.92	< 4.4	< 5.5	< 5.5	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 0.76	< 4.0	< 5	< 5.0	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.56	< 0.70	< 4.0	< 5	< 5.0	< 0.55	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.62	< 0.78	< 5.6	< 7	< 7.0	0.31 J	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.72	< 2.4	< 3	< 3.0	< 0.84	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72	< 0.72	< 0.72	< 0.77	< 5.2	< 6.5	< 6.5	< 0.83	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.54	< 0.54	< 0.54	< 0.54	< 0.67	< 3.0	< 3.8	< 3.8	< 0.71	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.56	< 0.78	< 3.1	< 3.9	< 3.9	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 0.86	< 4.0	< 5	< 5.0	< 0.28	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.92	< 1.8	< 2.3	< 2.3	< 0.63	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.62	< 0.68	< 3.1	< 3.9	< 3.9	< 0.95	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.51	< 3.0	< 3.8	< 3.8	< 0.87	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 120	< 150	< 150	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 38	< 48	< 48	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 31	< 39	< 39	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 140	230 J	< 170	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 5.4 U	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.15	< 0.15	0.37 J	< 0.15	< 0.29	< 3.6	< 4.5	< 4.5	< 0.25	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	0.23 J	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.34	< 0.74	< 3.1	< 3.9	< 3.9	< 0.36	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 0.56	< 0.97	< 3.5	< 4.4	< 4.4	< 4.0	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.62	< 0.62	< 0.62	< 0.62	< 1.6	< 24	< 30	< 30	< 0.97	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	10 J	< 2.7	< 2.7	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.080 J	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 0.52	< 0.77	< 1.5	< 1.9	< 1.9	< 0.17	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 0.74	< 2.5	< 3.1	< 3.1	< 1.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.64	***35 BJ***	***9.5 J+***	< 14 U	< 2.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	0.37 J+	< 0.66 U	< 2.2
cis-1,2-Dichloroethene	7	70	***9.7***	***75***	***110***	***140***	***140***	***150***	***140***	***190***	***180***	***180***	***160***	***173***	***9.5***	6.7	6.0	***16***	***17***	***31***	***33***	5.2	0.60	0.48 J	0.50	< 0.27
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.4	< 0.40	< 0.40	< 0.40	< 1.1	< 4.4	< 5.5	< 5.5	< 0.50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.26	< 0.37	< 2.2	< 2.7	< 2.7	< 0.22	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.77	< 3.2	< 4.1	< 4.1	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	3 BJ	< 2.9	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	2.0	< 0.24	< 0.24	< 0.48	< 0.48	< 0.48	< 0.48	< 0.79	< 5.6	< 7	< 7.0	< 1.2	2.5	1.6	0.86 J	0.90 J	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 1.4	< 1.4	< 1.4	< 1.4	< 3.3	< 5.6	< 7	< 7.0	< 0.58	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14	< 1.2
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.32	< 0.32	< 0.32	< 0.32	< 0.67	< 3.5	< 4.4	< 4.4	< 1.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.29 U	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.26	< 0.78	< 5.6	< 7	< 7.0	< 0.71	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	15 J	< 11	< 11	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.26	< 0.26	< 0.26	< 0.26	< 0.83	< 4.0	< 5	< 5.0	< 0.81	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	< 2.9	< 2.9	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.34	< 0.34	< 0.34	< 0.34	< 0.72	< 3.4	< 4.3	< 4.3	< 0.80	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.3	< 0.30	< 0.30	< 0.30	< 0.80	< 5.2	< 6.5	< 6.5	< 0.85	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.2	< 0.20	< 0.20	< 0.20	< 0.77	< 2.6	3.5 BJ	< 3.3	< 0.47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	< 0.28	< 0.28	< 0.80	< 4.8	< 6	< 6.0	< 0.30	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***170***	***580***	***640***	***840***	***970***	***1000***	***970***	***1100***	***1300***	***1800***	***1900***	***2170***	***240***	***140***	***110***	***100***	***73***	***86***	***130***	***38***	***10***	***8.9***	***8.5***	***4.2***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.22	< 0.22	< 0.22	< 0.22	< 0.30	4.8 J	3 J	< 2.7	< 0.17	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.11 J	< 0.053	< 0.053	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	0.86 J	0.97 J	1.4 J	1.5 J	1.3 J	< 0.50	1.4 J	< 4.4	< 5.5	< 5.5	1.4 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 1.1
Trichloroethene	0.5	5	***14***	***78***	***100***	***130***	***130***	***140***	***130***	***170***	***170***	***180***	***160***	***191***	***17***	***12***	***7.7***	***12***	***12***	***21***	***26***	***5.8***	***1.4***	***0.95***	***0.89***	0.43 J
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.38	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 25	< 6.5	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	***0.39 J***	***0.58***	***0.76 J***	< 0.20	***0.72 J***	< 0.20	< 0.41	< 6.4	< 8	< 8.0	***0.70 J***	< 0.1	< 0.1	< 0.1	***0.34 J***	< 0.10	***0.39 J***	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.14	< 0.14	< 0.14	< 0.14	< 0.44	< 2.3	< 5.8	< 5.8	< 1.5	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12	< 1.5
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	80 - 84 ft	80 - 84 ft	80 - 84 ft	80 - 84 ft	80 - 84 ft	80 - 84 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft	106 - 116 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017	10/08/2018	10/09/2019
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.22	< 0.11	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.20	< 0.1	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.20	< 0.1	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.28	< 0.14	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.12	< 0.06	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.26	< 0.13	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.15	< 0.076	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.16	< 0.078	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.20	< 0.1	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.090	< 0.045	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.15	< 0.077	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.15	< 0.075	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 3	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 0.95	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 0.77	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	6.2 J	< 3.6 U	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.18	< 0.089	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.15	< 0.077	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.18	< 0.088	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 1.2	< 0.59	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.053	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.076	< 0.038	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.12	< 0.062	< 0.062	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.74 BJ	1.6 J	< 0.65 U	< 2.2
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	2.6	5.8	***9.5***	***10***	5.4	***10***	6.4	***7***	6.4	4.5	5.1	6.8
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.22	< 0.11	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.11	< 0.054	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.16	< 0.081	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	0.06 BJ	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.28	< 0.14	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.28	< 0.14	< 0.24 U	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.18	< 0.088	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.28	< 0.14	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.21	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.20	< 0.1	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.058	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.17	< 0.085	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.26	< 0.13	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.13	< 0.065	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.24	< 0.12	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***0.76 J***	< 0.17	< 0.17	***0.76 J***	***0.56 J***	< 0.17	***23***	***330***	***90***	***94***	***330***	***110***	***120***	***89***	***68***	***45***	***53***	***59***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.16 J	< 0.053	< 0.053	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.22	< 0.11	< 0.11	< 1.1
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	***3.8***	***44***	***12***	***13***	***30***	***16***	***12***	***10***	***9.2***	***7.1***	***6.6***	***9.6***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.32	< 0.16	< 0.16	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.12	< 0.12	< 0.12	< 1.5
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft	140 - 144 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	04/13/2015	10/15/2015	01/20/2016	04/19/2016	07/18/2016	10/11/2016	1/18/2017	04/10/2017	10/02/2017	04/02/2018	10/08/2018	04/08/2019	10/09/2019
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.24	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.55	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.24	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.12	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 0.84	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.83	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.15	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.71	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.16	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.28	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.090	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.63	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.15	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.95	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.15	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.87	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 6.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 2.9	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	2.2 J	< 1.9	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.5	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 1.5	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 1.5	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 6.8	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 5.5 U	< 2.7	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.18	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.25	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.15	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.36	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.18	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 4.0	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 1.2	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.97	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.11	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.37	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.076	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.17	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.12	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 1.3	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.32	< 0.16	0.60 BJ	0.55 BJ	< 0.16	0.4 J	< 0.16	< 0.59 U	< 2.2	< 2.2
cis-1,2-Dichloroethene	7	70	1.9	1.2	< 0.12	< 0.12	1.4	1.4	1.2	1.2	1.2	1.4	1.4	1.7	1.5 B	1.5	1.8	2.2	2.0	2.4	3.9
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.50	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.11	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.22	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.16	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.39	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.11	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.060 J	< 0.057	< 0.47	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 1.2	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.35 J	< 0.28	< 0.14	< 0.14	0.27 BJ	< 0.14	< 0.14	0.24 J	< 0.25 U	< 0.58	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.18	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 1.2	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.28	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.71	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.42	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1.7	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.81	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.12	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.26	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.17	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.80	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.26	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.85	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.13	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.47	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.24	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.30	< 0.30
Tetrachloroethene	0.5	5	***14***	***11***	***23***	***37***	***38***	***35***	***27***	***33***	***30***	***28***	***35***	***29***	***26***	***37***	***30***	***38***	***28***	***37.8***	***52.2***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.11	< 0.053	< 0.053	0.14 BJ	< 0.053	< 0.053	0.060 J	< 0.053	< 0.17	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.22	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 1.1
Trichloroethene	0.5	5	***2.1***	***2***	***3***	***6.1***	***6.1***	***6.9***	***5.3***	***5.7***	***5.1***	***5***	***5.9***	***6.1***	***5.2***	***6.4***	***6.3***	***8.2***	***6.1***	***7.9***	***11.3***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.13	< 0.21	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.32	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 1.5	< 1.5
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16	MP-16
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft	175 - 179 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/22/2013	04/16/2013	07/23/2013	10/09/2013	04/15/2014	10/16/2014	04/13/2015	10/15/2015	10/11/2016	10/02/2017	10/08/2018	10/09/2019
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.87
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0	< 2.9
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 1.5
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.8 U	< 2.7
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 4.0
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.97
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	0.11 J	< 0.37
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.17
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 1.3
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	0.81 J	< 0.61 U	< 2.2
cis-1,2-Dichloroethene	7	70	1.9	0.99 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	0.29 J
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2 *	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.39
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	0.16 J	< 0.15 U	< 0.58
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.71
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10	< 0.81
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.85
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ	< 0.065	< 0.47
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.30
Tetrachloroethene	0.5	5	***13***	***6.7***	***2.2***	***3.7***	***3.8***	***4.8***	***4.2***	***2.7***	***3.1***	***4.2***	***2.5***	***8.9***
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.080 J	< 0.053	< 0.053	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 1.1
Trichloroethene	0.5	5	***2.2***	***1.2***	0.42 J	***0.98***	***0.87***	***0.98***	***0.69***	0.42 J	***0.54***	***0.64***	0.40 J	***1.6***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.17
Xylenes, Total	400	2000	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12	< 1.5
Total PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids														
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/17/2013	04/20/2013	07/18/2013	10/08/2013	04/22/2014	10/22/2014	04/15/2015	10/22/2015	01/22/2016	04/20/2016	07/19/2016	10/12/2016	1/20/2017	04/12/2017	10/09/2017	04/04/2018	10/15/2018	04/11/2019	10/11/2019
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.5	< 0.5	< 0.25	< 0.5	< 0.50	< 0.50	< 1.3	< 0.92	< 5.5	< 11	< 2.8	< 2.2	< 5.5	< 5.5	< 2.8	< 2.8	< 5.5	< 2.7	< 2.7
1,1,1-Trichloroethane	40	200	< 0.4	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 1.0	< 0.76	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5	< 5.0	< 2.4	< 2.4
1,1,2-Trichloroethane	0.5	5	< 0.56	***11***	< 0.28	< 0.56	< 0.56	< 0.56	< 1.4	< 0.70	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5	< 5.0	< 5.5	< 5.5
1,1-Dichloroethene	0.7	7	< 0.62	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 1.6	< 0.78	< 7.0	< 14	< 3.5	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5	< 7.0	< 2.4	< 2.4
1,2,4-Trimethylbenzene	96	480	< 0.28	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.70	< 0.72	< 3.0	< 6.0	< 1.5	< 1.2	< 3.0	< 3.0	< 1.5	< 1.5	< 3.0	< 8.4	< 8.4
1,2-Dibromoethane	0.005	0.05	< 0.72	< 0.72	< 0.36	< 0.72	< 0.72	< 0.72	< 1.8	< 0.77	< 6.5	< 13	< 3.3	< 2.6	< 6.5	< 6.5	< 3.3	< 3.3	< 6.5	< 8.3	< 8.3
1,2-Dichlorobenzene	60	600	< 0.54	< 0.54	< 0.27	< 0.54	< 0.54	< 0.54	< 1.4	< 0.67	< 3.8	< 7.6	< 1.9	< 1.5	< 3.8	< 3.8	< 1.9	< 1.9	< 3.8	< 7.1	< 7.1
1,2-Dichloroethane	0.5	5	< 0.56	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 1.4	< 0.78	< 3.9	< 7.8	< 2.0	< 1.6	< 3.9	< 3.9	< 2	< 2	< 3.9	< 2.8	< 2.8
1,2-Dichloropropane	0.5	5	< 0.4	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 1.0	< 0.86	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5	< 5.0	< 2.8	< 2.8
1,2,3-Trichlorobenzene	NE	NE	< 0.48	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48	< 1.2	< 0.92	< 2.3	< 4.5	< 1.1	< 0.90	< 2.3	< 2.3	< 1.1	< 1.1	< 2.3	< 6.3	< 6.3
1,2,4-Trichlorobenzene	14	70	< 0.62	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 1.6	< 0.68	< 3.9	< 7.7	< 1.9	< 1.5	< 3.9	< 3.9	< 1.9	< 1.9	< 3.9	< 9.5	< 9.5
1,3,5-Trimethylbenzene	96	480	< 0.36	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.90	< 0.51	< 3.8	< 7.5	< 1.9	< 1.5	< 3.8	< 3.8	< 1.9	< 1.9	< 3.8	< 8.7	< 8.7
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	< 150	< 300	< 75	< 60	< 150	< 150	< 75	< 75	< 150	< 29.4	< 29.4
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	< 48	< 95	< 24	< 19	< 48	< 48	< 24	< 24	< 48	< 24.6	< 24.6
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	< 39	< 77	< 19	< 15	< 39	< 39	< 19	< 19	< 39	< 15.3	< 15.3
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	< 170	< 340	< 85	< 68	< 170	< 170	< 85	< 85	< 170	< 27.4	< 27.4
Benzene	0.5	5	***20***	***1.2***	< 0.074	< 0.15	< 0.15	< 0.15	< 0.37	< 0.29	< 4.5	< 8.9	< 2.2	< 1.8	< 4.5	< 4.5	< 2.2	< 2.2	< 4.5	< 2.5	< 2.5
Bromodichloromethane	0.06	0.6	< 0.34	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.85	< 0.74	< 3.9	< 7.7	< 1.9	< 1.5	< 3.9	< 3.9	< 1.9	< 1.9	< 3.9	< 3.6	< 3.6
Bromoform	0.44	4.4	< 0.56	< 0.56	< 0.28	< 0.56	< 0.56	< 0.56	< 1.4	< 0.97	< 4.4	< 8.8	< 2.2	< 1.8	< 4.4	< 4.4	< 2.2	< 2.2	< 4.4	< 39.7	< 39.7
Bromomethane	1	10	< 0.62	< 0.62	< 0.31	< 0.62	< 0.62	< 0.62	< 1.6	< 1.6	< 30	< 59	< 15	< 12	< 30	< 30	< 15	< 15	< 30	< 9.7	< 9.7
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.7	< 5.3	< 1.3	< 1.1	< 2.7	18 J	< 1.3	< 1.3	< 2.7	< 3.7	< 3.7
Carbon tetrachloride	0.5	5	***1.2 J***	< 0.52	< 0.26	< 0.52	< 0.52	< 0.52	< 1.3	< 0.77	< 1.9	< 3.8	< 0.95	< 0.76	< 1.9	< 1.9	< 0.95	< 0.95	< 1.9	< 1.7	< 1.7
Chloroform	0.6	6	***1.8 J***	< 0.4	***0.86 J***	< 0.4	***1.1 J***	***1.5 J***	< 1.0	***2.8***	***3.5 J***	***14 BJ***	***3.5 J***	***4.2 J***	***6.5 BJ***	***13 J***	***4.5 J***	***3.0 J***	< 7.0 U	< 12.7	< 12.7
Chloromethane	3	30	< 0.36	< 0.36	< 0.18	< 0.36	< 0.36	< 0.36	< 0.90	< 0.64	< 8.0	< 16	< 4.0	***15 BJ***	< 8.0	***22 J+***	***9.3 J***	< 4	< 19 U	< 21.9	< 21.9
cis-1,2-Dichloroethene	7	70	3.5	1.7 J	1.6	< 0.24	2.7	3.4	5.3	5.9	***7.5 J***	< 11	***8.8 J***	4.8 J	< 5.5	< 5.5	5.3 J	5.8 J	< 5.5	5.5 J	4.2 J
Dichlorodifluoromethane	200	1000	< 0.4	< 0.4	< 0.2	< 0.4	< 0.40	< 0.40	< 1.0	< 1.1	< 5.5	< 11	3.0 J	< 2.2	< 5.5	< 5.5	< 2.8	< 2.8	< 5.5	< 5.0	< 5.0
Ethylbenzene	140	700	< 0.26	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.65	< 0.37	< 2.7	< 5.4	< 1.4	< 1.1	< 2.7	< 2.7	< 1.4	< 1.4	< 2.7	< 2.2	< 2.2
Isopropylbenzene	NE	NE	< 0.28	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.70	< 0.77	< 4.1	< 8.1	< 2.0	< 1.6	< 4.1	< 4.1	< 2	< 2.0	< 4.1	< 3.9	< 3.9
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.9	< 5.7	< 1.4	< 1.1	< 2.9	< 2.9	< 1.4	< 1.4	< 2.9	< 4.7	< 4.7
Methyl tert-butyl ether	12	60	< 0.48	< 0.48	< 0.24	< 0.48	< 0.48	< 0.48	< 1.2	< 0.79	< 7.0	< 14	< 3.5	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5	< 7.0	< 12.5	< 12.5
Methylene chloride	0.5	5	< 1.4	< 1.4	< 0.68	< 1.4	< 1.4	< 1.4	< 3.4	< 3.3	< 7.0	< 14	***6.5 BJ***	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5	< 7.0	< 5.8	< 5.8
Naphthalene	10	100	< 0.32	< 0.32	< 0.16	< 0.32	< 0.32	< 0.32	< 0.80	< 0.67	< 4.4	< 8.8	< 2.2	< 1.8	< 4.4	< 4.4	2.8 BJ	< 2.2	< 4.4	< 11.8	< 11.8
n-Butylbenzene	NE	NE	< 0.26	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.65	< 0.78	< 7.0	< 14	< 3.5	< 2.8	< 7.0	< 7.0	< 3.5	< 3.5	< 7.0	< 7.1	< 7.1
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	< 11	< 21	< 5.3	< 4.2	< 11	< 11	< 5.3	< 5.3	< 11	< 17.1	< 17.1
n-Propylbenzene	NE	NE	< 0.26	< 0.26	< 0.13	< 0.26	< 0.26	< 0.26	< 0.65	< 0.83	< 5.0	< 10	< 2.5	< 2.0	< 5.0	< 5.0	< 2.5	< 2.5	< 5.0	< 8.1	< 8.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	< 2.9	< 5.8	< 1.5	< 1.2	< 2.9	< 2.9	< 1.5	< 1.5	< 2.9	< 2.6	< 2.6
p-Isopropyltoluene	NE	NE	< 0.34	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.85	< 0.72	< 4.3	< 8.5	< 2.1	< 1.7	< 4.3	< 4.3	< 2.1	< 2.1	< 4.3	< 8.0	< 8.0
sec-Butylbenzene	NE	NE	< 0.3	< 0.3	< 0.15	< 0.3	< 0.30	< 0.30	< 0.75	< 0.80	< 6.5	< 13	< 3.3	< 2.6	< 6.5	< 6.5	< 3.3	< 3.3	< 6.5	< 8.5	< 8.5
Styrene	10	100	< 0.2	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.50	< 0.77	< 3.3	< 6.5	< 1.6	< 1.3	< 3.3	< 3.3	1.8 J	< 1.6	< 3.3	< 4.7	< 4.7
tert-Butylbenzene	NE	NE	< 0.28	< 0.28	< 0.14	< 0.28	< 0.28	< 0.28	< 0.70	< 0.80	< 6.0	< 12	< 3.0	< 2.4	< 6.0	< 6.0	< 3	< 3.0	< 6.0	< 3.0	< 3.0
Tetrachloroethene	0.5	5	***1300***	***790***	***470***	***800***	***970***	***920***	***980***	***860***	***1200***	***1100***	***950***	***970***	***1000***	***680***	***790 B***	***870***	***880***	***831***	***747***
Toluene	160	800	1.8	< 0.22	0.69	< 0.22	< 0.22	< 0.22	< 0.55	< 0.30	< 2.7	< 5.3	< 1.3	< 1.1	7.0 BJ	6.5 J	< 1.3	1.3	< 2.7	< 1.7	< 1.7
trans-1,2-Dichloroethene	20	100	1.5 J	< 0.5	0.68 J	< 0.5	< 0.50	< 0.50	< 1.3	1.0 J	< 5.5	< 11	< 2.8	< 2.2	< 5.5	< 5.5	< 2.8	< 2.8	< 5.5	< 10.9	< 10.9
Trichloroethene	0.5	5	***86***	***46***	***33***	***49***	***51***	***55***	***67***	***63***	***80***	***69***	***66***	***68***	***59 B***	***52***	***59***	***64***	***63***	***67.6***	***60.7***
Trichlorofluoromethane	698	3490	< 0.38	< 0.38	< 0.19	< 0.38	< 2.0	< 2.0	< 5.0	< 2.0	< 25	< 50	< 13	< 10	< 25	< 25	< 13	< 13	< 6.5	< 2.1	< 2.1
Vinyl chloride	0.02	0.2	< 0.2	< 0.2	< 0.1	< 0.2	< 0.20	< 0.20	< 0.50	< 0.41	< 8.0	< 16	< 4.0	< 3.2	< 8.0	< 8.0	< 4	< 4.0	< 8.0	< 1.7	< 1.7
Xylenes, Total	400	2000	3.1	< 0.14	0.56 J	< 0.14	< 0.14	< 0.14	< 0.34	< 0.44	< 2.9	< 5.8	< 1.5	< 1.2	< 5.8	< 5.8	< 2.9	< 2.9	< 5.8	< 15.0	< 15.0
Total PCBs																					
Aroclor-1016	0.003	0.03	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.093	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	12/18/2012	12/19/2012	12/28/2012	01/03/2013	01/15/2013	01/15/2013	01/31/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/19/2013	07/17/2013	10/09/2013	04/22/2014	10/23/2014
VOCs																			
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	< 0.25	NA	NA	< 0.5	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.4	NA	< 1	< 1	< 1	< 1	< 0.20	< 0.20
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	< 0.56	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.62	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.28	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	< 0.36	NA	NA	< 0.72	NA	< 1.8	< 1.8	< 1.8	< 1.8	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	< 0.27	NA	NA	< 0.54	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.27	< 0.27
1,2-Dichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	< 0.56	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.4	NA	< 1	< 1	< 1	< 1	< 0.20	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	< 0.48	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.62	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	< 0.36	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	***3.2***	NA	NA	NA	NA	NA	0.46 J	NA	NA	***1.4***	NA	***1.9 J***	***2.2 J***	< 0.37	***1.3 J***	0.38 J	0.46 J
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	< 0.34	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17	< 0.17
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	< 0.56	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28	< 0.28
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.62	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	< 0.26	NA	NA	< 0.52	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 0.26	< 0.26
Chloroform	0.6	6	***7.2***	NA	NA	NA	NA	NA	***2.3***	NA	NA	***4.5***	NA	***7.5***	***6.2***	< 1	***5.2***	***1.4***	***2***
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	NA	< 0.36	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	***150***	NA	NA	NA	NA	NA	***40***	NA	NA	***77***	NA	***110***	***99***	***70***	***78***	***21***	***26***
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.4	NA	< 1	< 1	< 1	< 1	< 0.20	< 0.20
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.26	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.28	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	< 0.24	NA	NA	< 0.48	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24	< 0.24
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	< 0.68	NA	NA	< 1.4	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 0.68	< 0.68
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	< 0.16	NA	NA	< 0.32	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.26	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.26	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	< 0.17	NA	NA	< 0.34	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	< 0.15	NA	NA	< 0.3	NA	< 0.75	< 0.75	< 0.75	< 0.75	< 0.15	< 0.15
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	< 0.2	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.10	< 0.10
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.28	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***3300***	NA	NA	NA	NA	NA	***690***	NA	NA	***1900***	NA	***2600***	***2600***	***2900***	***1800***	***520***	***520***
Toluene	160	800	1.1 J	NA	NA	NA	NA	NA	< 0.11	NA	NA	< 0.22	NA	< 0.55	< 0.55	< 0.55	< 0.55	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	7.4	NA	NA	NA	NA	NA	2.6	NA	NA	3.8	NA	5.3	4.1 J	2.6 J	4.6 J	1.3	1.9
Trichloroethene	0.5	5	***230***	NA	NA	NA	NA	NA	***59***	NA	NA	***130***	NA	***160***	***170***	***140***	***150***	***43***	***65***
Trichlorofluoromethane	698	3490	< 0.95	NA	NA	NA	NA	NA	< 0.19	NA	NA	< 0.38	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 1.0	< 1.0
Vinyl chloride	0.02	0.2	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	< 0.2	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.10	< 0.10
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	< 0.068	NA	NA	< 0.14	NA	< 0.34	< 0.34	< 0.34	< 0.34	< 0.068	< 0.068
Total PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																			
Total Dissolved Solids (mg/L)	NE	NE	3300	1700	4800	4300	3900	3200	2700	2800	20000	12000	15000	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D[1]	MW-19D	MW-19D[1]	MW-19D	MW-19D	MW-19D	MW-19D[1]	MW-19D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/11/2012	12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	01/30/2013	02/11/2013	02/28/2013	03/11/2013	04/19/2013	07/17/2013	10/09/2013	04/17/2014	10/21/2014
VOCs																								
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	< 1.3	NA	< 1.3	1.3	< 1.3	< 1.3	< 1.3	< 0.50
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.56
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.7	NA	< 0.7	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.70	< 0.28
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.8	NA	< 1.8	NA	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 0.72
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.54
1,2-Dichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.56
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	NA	< 1.2	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.48
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.9	NA	< 0.9	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.90	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.37	NA	< 0.37	NA	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.15
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.85	NA	< 0.85	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.34
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.56
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	< 1.6 *	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	< 1.3	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 0.52
Chloroform	0.6	6	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.9	NA	< 0.9	NA	< 0.9	< 0.9	< 0.9	< 0.9	< 0.90	< 0.36
cis-1,2-Dichloroethene	7	70	***530***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***170***	NA	***450***	NA	***420***	***520***	***540***	***300***	***49***	***240***
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	< 1	NA	< 1	< 1	< 1	< 1	< 1.0	< 0.40
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	< 0.65	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.26
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.7	NA	< 0.7	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.70	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.2	NA	< 1.2	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.48
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	NA	< 3.4	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 1.4
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.8	NA	< 0.8	NA	< 0.8	< 0.8	< 0.8	< 0.8	< 0.80	< 0.32
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	< 0.65	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	< 0.65	NA	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.85	NA	< 0.85	NA	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.75	NA	< 0.75	NA	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.30
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 0.20
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.7	NA	< 0.7	NA	< 0.7	< 0.7	< 0.7	< 0.7	< 0.70	< 0.28
Tetrachloroethene	0.5	5	***2400***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***1700***	NA	***2700***	NA	***2100***	***2200***	***2700***	***1500***	***1400***	***1500***
Toluene	160	800	< 0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.55	NA	< 0.55	NA	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.22
trans-1,2-Dichloroethene	20	100	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	4.4 J	NA	5.1	6.3	8.1	4.1 J	< 1.3	3.1
Trichloroethene	0.5	5	***230***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***69***	NA	***180***	NA	***180***	***200***	***240***	***150***	***68***	***140***
Trichlorofluoromethane	698	3490	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	NA	< 0.95	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 5.0	< 2.0
Vinyl chloride	0.02	0.2	***9.1***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***3.2***	NA	***8***	NA	***11***	***18***	***20***	***6.6***	< 0.50	***4.5***
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	< 0.34	NA	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.14
Total PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																									
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																									
Total Dissolved Solids (mg/L)	NE	NE	910	1100	1400	1300	1300	1200	1100	1100	1000	1100	1000	990	1100	1100	1000	NA	1100	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2[2]	MW-19D2[1]	MW-19D2	MW-19D2	MW-19D2[1]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/17/2013	01/17/2013	01/31/2013	02/11/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	07/17/2013	10/09/2013	04/17/2014	10/15/2014
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.5	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	< 0.5	NA	< 0.5	< 1.3	< 0.5	< 0.5	< 0.5	< 1.3	< 0.50
1,1,1-Trichloroethane	40	200	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
1,1,2-Trichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	< 0.56	NA	< 0.56	NA	< 0.56	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 0.56
1,1-Dichloroethene	0.7	7	< 0.62	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	< 0.62	NA	< 0.62	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.28	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.7	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28
1,2-Dibromoethane	0.005	0.05	< 0.72	NA	NA	NA	NA	NA	NA	NA	< 0.72	NA	< 0.72	NA	< 0.72	< 1.8	< 0.72	< 0.72	< 0.72	< 1.8	< 0.72
1,2-Dichlorobenzene	60	600	< 0.54	NA	NA	NA	NA	NA	NA	NA	< 0.54	NA	< 0.54	NA	< 0.54	< 1.4	< 0.54	< 0.54	< 0.54	< 1.4	< 0.54
1,2-Dichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	< 0.56	NA	< 0.56	NA	< 0.56	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 0.56
1,2-Dichloropropane	0.5	5	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 0.48	NA	NA	NA	NA	NA	NA	NA	< 0.48	NA	< 0.48	NA	< 0.48	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 0.48
1,2,4-Trichlorobenzene	14	70	< 0.62	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	< 0.62	NA	< 0.62	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.36	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	< 0.36	NA	< 0.36	< 0.9	< 0.36	< 0.36	< 0.36	< 0.90	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.15	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	< 0.15	NA	< 0.15	< 0.37	< 0.15	< 0.15	< 0.15	< 0.37	< 0.15
Bromodichloromethane	0.06	0.6	< 0.34	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	< 0.34	NA	< 0.34	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.34
Bromoform	0.44	4.4	< 0.56	NA	NA	NA	NA	NA	NA	NA	< 0.56	NA	< 0.56	NA	< 0.56	< 1.4	< 0.56	< 0.56	< 0.56	< 1.4	< 0.56
Bromomethane	1	10	< 0.62	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	< 0.62 *	NA	< 0.62	< 1.6	< 0.62	< 0.62	< 0.62	< 1.6	< 0.62 *
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.52	NA	NA	NA	NA	NA	NA	NA	< 0.52	NA	< 0.52	NA	< 0.52	< 1.3	< 0.52	< 0.52	< 0.52	< 1.3	< 0.52
Chloroform	0.6	6	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
Chloromethane	3	30	< 0.36	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	< 0.36	NA	< 0.36	< 0.9	< 0.36	< 0.36	< 0.36	< 0.90	< 0.36
cis-1,2-Dichloroethene	7	70	***250***	NA	NA	NA	NA	NA	NA	NA	***320***	NA	***270***	NA	***260***	***200***	< 0.24	***98***	***120***	***330***	6.8
Dichlorodifluoromethane	200	1000	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	< 0.4	NA	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 1.0	< 0.40
Ethylbenzene	140	700	< 0.26	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26
Isopropylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.7	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	NA	NA	NA	NA	NA	NA	NA	< 0.48	NA	< 0.48	NA	< 0.48	< 1.2	< 0.48	< 0.48	< 0.48	< 1.2	< 0.48
Methylene chloride	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	< 1.4	NA	< 1.4	< 3.4	< 1.4	< 1.4	< 1.4	< 3.4	< 1.4
Naphthalene	10	100	< 0.32	NA	NA	NA	NA	NA	NA	NA	< 0.32	NA	< 0.32	NA	< 0.32	< 0.8	< 0.32	< 0.32	< 0.32	< 0.80	< 0.32
n-Butylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	< 0.34	NA	< 0.34	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.3	NA	NA	NA	NA	NA	NA	NA	< 0.3	NA	< 0.3	NA	< 0.3	< 0.75	< 0.3	< 0.3	< 0.3	< 0.75	< 0.30
Styrene	10	100	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.5	< 0.2	< 0.2	< 0.2	< 0.50	< 0.20
tert-Butylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	< 0.28	< 0.7	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28
Tetrachloroethene	0.5	5	***680***	NA	NA	NA	NA	NA	NA	NA	***1200***	NA	***1300***	NA	***1400***	***1000***	***820***	***1200***	***950***	***1900***	***620***
Toluene	160	800	< 0.22	NA	NA	NA	NA	NA	NA	NA	< 0.22	NA	< 0.22	NA	< 0.22	< 0.55	< 0.22	< 0.22	< 0.22	< 0.55	< 0.22
trans-1,2-Dichloroethene	20	100	3.4	NA	NA	NA	NA	NA	NA	NA	4.9	NA	4.2	NA	4.2	2.6 J	< 0.5	< 0.5	< 0.5	5.0	< 0.50
Trichloroethene	0.5	5	***110***	NA	NA	NA	NA	NA	NA	NA	***160***	NA	***150***	NA	***150***	***130***	< 0.38	***110***	***120***	***170***	***11***
Trichlorofluoromethane	698	3490	< 0.38	NA	NA	NA	NA	NA	NA	NA	< 0.38	NA	< 0.38	NA	< 0.38	< 0.95	< 0.38	< 0.38	< 0.38	< 5.0	< 2.0
Vinyl chloride	0.02	0.2	***0.93 J***	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	< 0.5	< 0.2	< 0.2	< 0.2	***7.9***	< 0.20
Xylenes, Total	400	2000	< 0.14	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	< 0.14	NA	< 0.14	< 0.34	< 0.14	< 0.14	< 0.14	< 0.34	< 0.14
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	1500	1600	1600	1500	1500	1500	1500	1400	1500	1500	1500	1500	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D[1]	MW-20D	MW-20D[1]	MW-20D[1]	MW-20D	MW-20D	MW-20D	MW-20D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/11/2012	12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	01/30/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	10/09/2013	04/15/2014	10/22/2014
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	< 1.3	< 0.5	< 1.3	< 0.50	< 0.50
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.56	< 1.4	< 0.56	< 0.56
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.62	< 1.6	< 0.62	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.28	< 0.7	< 0.28	< 0.28
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 0.36	NA	< 0.36	< 1.8	< 0.72	< 1.8	< 0.72	< 0.72
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 0.27	NA	< 0.27	< 1.4	< 0.54	< 1.4	< 0.54	< 0.54
1,2-Dichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.56	< 1.4	< 0.56	< 0.56
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.48	< 1.2	< 0.48	< 0.48
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.62	< 1.6	< 0.62	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.36	< 0.9	< 0.36	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.074	NA	NA	NA	< 0.074	NA	< 0.074	< 0.37	< 0.15	< 0.37	< 0.15	< 0.15
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.34	< 0.85	< 0.34	< 0.34
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.56	< 1.4	< 0.56	< 0.56
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.62	< 1.6	< 0.62	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	NA	< 0.26	< 1.3	< 0.52	< 1.3	< 0.52	< 0.52
Chloroform	0.6	6	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.36	< 0.9	< 0.36	< 0.36
cis-1,2-Dichloroethene	7	70	***370***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.69 J	NA	NA	NA	***20***	NA	***39***	***220***	***180***	***170***	***140***	***200***
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.4	< 1	< 0.40	< 0.40
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.26	< 0.65	< 0.26	< 0.26
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.28	< 0.7	< 0.28	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.48	< 1.2	< 0.48	< 0.48
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 0.68	NA	< 0.68	< 3.4	< 1.4	< 3.4	< 1.4	< 1.4
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.16	NA	< 0.16	< 0.8	< 0.32	< 0.8	< 0.32	< 0.32
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.26	< 0.65	< 0.26	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.26	< 0.65	< 0.26	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.34	< 0.85	< 0.34	< 0.34
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.15	NA	< 0.15	< 0.75	< 0.3	< 0.75	< 0.30	< 0.30
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	< 0.5	< 0.2	< 0.5	< 0.20	< 0.20
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.28	< 0.7	< 0.28	< 0.28
Tetrachloroethene	0.5	5	***1600***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***190***	NA	NA	NA	***690***	NA	***650***	***1100***	***1000***	***1200***	***780***	***1100***
Toluene	160	800	< 0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45 J	NA	NA	NA	< 0.11	NA	< 0.11	< 0.55	< 0.22	< 0.55	< 0.22	< 0.22
trans-1,2-Dichloroethene	20	100	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.25	NA	< 0.25	< 1.3	2.2	< 1.3	2.0	2.6
Trichloroethene	0.5	5	***170***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***0.54***	NA	NA	NA	***20***	NA	***29***	***100***	***100***	***89***	***83***	***110***
Trichlorofluoromethane	698	3490	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	< 0.19	NA	< 0.19	< 0.95	< 0.38	< 0.95	< 2.0	< 2.0
Vinyl chloride	0.02	0.2	***3.2***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	NA	< 0.1	***1.0 J***	< 0.2	< 0.5	***0.76 J***	***2.7***
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.068	NA	NA	NA	< 0.068	NA	< 0.068	< 0.34	< 0.14	< 0.34	< 0.14	< 0.14
Total PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																											
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																											
Total Dissolved Solids (mg/L)	NE	NE	920	990	5000	16000	10000	4800	2500	3100	2200	1900	940	1300	900	940	880	830	840	NA	1000	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2	MW-20D2[1]	MW-20D2	MW-20D2	MW-20D2[1,3]	MW-20D2	MW-20D2[1]	MW-20D2[1]	MW-20D2[1]	MW-20D2[1]	MW-20D2	MW-20D2[1]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/29/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	01/30/2013	02/12/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	10/15/2013	04/15/2014	10/22/2014
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	< 0.25	NA	NA	< 0.25	NA	< 0.25	< 1.3	< 0.25	< 0.25	< 1.3	< 0.50
1,1,1-Trichloroethane	40	200	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
1,1,2-Trichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.28	< 0.28	< 1.4	< 0.56
1,1-Dichloroethene	0.7	7	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.31	< 0.31	< 1.6	< 0.62
1,2,4-Trimethylbenzene	96	480	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.14	< 0.14	< 0.70	< 0.28
1,2-Dibromoethane	0.005	0.05	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	< 0.36	NA	NA	< 0.36	NA	< 0.36	< 1.8	< 0.36	< 0.36	< 1.8	< 0.72
1,2-Dichlorobenzene	60	600	< 0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	< 0.27	NA	NA	< 0.27	NA	< 0.27	< 1.4	< 0.27	< 0.27	< 1.4	< 0.54
1,2-Dichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.28	< 0.28	< 1.4	< 0.56
1,2-Dichloropropane	0.5	5	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
1,2,3-Trichlorobenzene	NE	NE	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	< 0.24	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.24	< 0.24	< 1.2	< 0.48
1,2,4-Trichlorobenzene	14	70	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.31	< 0.31	< 1.6	< 0.62
1,3,5-Trimethylbenzene	96	480	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	< 0.18	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.18	< 0.18	< 0.90	< 0.36
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.074	NA	0.19 J	NA	NA	< 0.074	NA	< 0.074	< 0.37	< 0.074	< 0.074	< 0.37	< 0.15
Bromodichloromethane	0.06	0.6	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	< 0.17	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.17	< 0.17	< 0.85	< 0.34
Bromoform	0.44	4.4	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	< 0.28	NA	NA	< 0.28	NA	< 0.28	< 1.4	< 0.28	< 0.28	< 1.4	< 0.56
Bromomethane	1	10	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	< 0.31	NA	NA	< 0.31	NA	< 0.31	< 1.6	< 0.31	< 0.31	< 1.6	< 0.62
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	< 0.26	NA	NA	< 0.26	NA	< 0.26	< 1.3	< 0.26	< 0.26	< 1.3	< 0.52
Chloroform	0.6	6	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.47 J	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
Chloromethane	3	30	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	< 0.18	NA	NA	< 0.18	NA	< 0.18	< 0.9	< 0.18	< 0.18	< 0.90	< 0.36
cis-1,2-Dichloroethene	7	70	***330***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	NA	2.8	NA	NA	< 0.12	NA	2.8	***30***	< 0.12	1.4	< 0.60	***12***
Dichlorodifluoromethane	200	1000	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	< 0.2	< 1	< 0.2	< 0.2	< 1.0	< 0.40
Ethylbenzene	140	700	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.13	< 0.13	< 0.65	< 0.26
Isopropylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.14	< 0.14	< 0.70	< 0.28
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	< 0.24	NA	NA	< 0.24	NA	< 0.24	< 1.2	< 0.24	< 0.24	< 1.2	< 0.48
Methylene chloride	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	< 0.68	NA	NA	< 0.68	NA	< 0.68	< 3.4	< 0.68	< 0.68	< 3.4	< 1.4
Naphthalene	10	100	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	< 0.16	NA	NA	< 0.16	NA	< 0.16	< 0.8	< 0.16	< 0.16	< 0.80	< 0.32
n-Butylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.13	< 0.13	< 0.65	< 0.26
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	< 0.13	NA	NA	< 0.13	NA	< 0.13	< 0.65	< 0.13	< 0.13	< 0.65	< 0.26
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	< 0.17	NA	NA	< 0.17	NA	< 0.17	< 0.85	< 0.17	< 0.17	< 0.85	< 0.34
sec-Butylbenzene	NE	NE	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	< 0.15	NA	NA	< 0.15	NA	< 0.15	< 0.75	< 0.15	< 0.15	< 0.75	< 0.30
Styrene	10	100	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	< 0.1	NA	NA	< 0.1	NA	< 0.1	< 0.5	< 0.1	< 0.1	< 0.50	< 0.20
tert-Butylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	< 0.14	NA	NA	< 0.14	NA	< 0.14	< 0.7	< 0.14	< 0.14	< 0.70	< 0.28
Tetrachloroethene	0.5	5	***1300***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***190***	NA	***700***	NA	NA	***24***	NA	***490***	***1100***	***53***	***380***	***1600***	***740***
Toluene	160	800	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.34 J	NA	< 0.11	NA	NA	< 0.11	NA	< 0.11	< 0.55	< 0.11	< 0.11	< 0.55	< 0.22
trans-1,2-Dichloroethene	20	100	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	< 0.25	NA	NA	< 0.25	NA	< 0.25	< 1.3	< 0.25	< 0.25	< 1.3	< 0.50
Trichloroethene	0.5	5	***150***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	***7.9***	NA	NA	< 0.19	NA	***5.3***	***41***	< 0.19	***4.5***	***2.7***	***11***
Trichlorofluoromethane	698	3490	< 0.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	< 0.19	< 0.19	NA	< 0.19	< 0.95	< 0.19	< 0.19	< 5.0	< 2.0
Vinyl chloride	0.02	0.2	***1.7***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	< 0.1	NA	NA	< 0.1	NA	< 0.1	< 0.5	< 0.1	< 0.1	< 0.50	< 0.20
Xylenes, Total	400	2000	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.068	NA	< 0.068	NA	NA	< 0.068	NA	< 0.068	< 0.34	< 0.068	< 0.068	< 0.34	< 0.14
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	1000	1500	2400	3000	25000	12000	42000	34000	19000	12000	8700	2400	5500	7700	1900	NA	NA	3900	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D[1]	MW-21D	MW-21D[1]	MW-21D[1]	MW-21D	MW-21D	MW-21D	MW-21D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft	60 - 90 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	12/12/2012	12/13/2012	12/14/2012	12/15/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/17/2013	01/17/2013	01/30/2013	02/14/2013	02/14/2013	02/14/2013	02/28/2013	03/12/2013	04/17/2013	07/18/2013	10/10/2013	04/15/2014	10/23/2014
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.5	NA	< 0.5	< 1.3	< 1.3	< 1.3	< 1.3	< 0.25
1,1,1-Trichloroethane	40	200	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	< 0.20
1,1,2-Trichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.56	NA	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28
1,1-Dichloroethene	0.7	7	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.62	NA	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.28	NA	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 0.72	NA	< 0.72	< 1.8	< 1.8	< 1.8	< 1.8	< 0.36
1,2-Dichlorobenzene	60	600	< 0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 0.54	NA	< 0.54	< 1.4	< 1.4	< 1.4	< 1.4	< 0.27
1,2-Dichloroethane	0.5	5	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.56	NA	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28
1,2-Dichloropropane	0.5	5	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.48	NA	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.62	NA	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.36	NA	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.074	NA	NA	NA	< 0.15	NA	< 0.15	< 0.37	< 0.37	< 0.37	< 0.37	0.33 J
Bromodichloromethane	0.06	0.6	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.34	NA	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17
Bromoform	0.44	4.4	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.56	NA	< 0.56	< 1.4	< 1.4	< 1.4	< 1.4	< 0.28
Bromomethane	1	10	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.62 *	NA	< 0.62	< 1.6	< 1.6	< 1.6	< 1.6	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.52	NA	< 0.52	< 1.3	< 1.3	< 1.3	< 1.3	< 0.26
Chloroform	0.6	6	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	***0.70 J***
Chloromethane	3	30	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.36	NA	< 0.36	< 0.9	< 0.9	< 0.9	< 0.90	< 0.18
cis-1,2-Dichloroethene	7	70	***380***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***85***	NA	NA	NA	***270***	NA	***310***	***310***	***370***	***360***	***320***	***230***
Dichlorodifluoromethane	200	1000	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.4	NA	< 0.4	< 1	< 1	< 1	< 1.0	< 0.20
Ethylbenzene	140	700	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 J	NA	NA	NA	< 0.26	NA	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13
Isopropylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.28	NA	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 0.48	NA	< 0.48	< 1.2	< 1.2	< 1.2	< 1.2	< 0.24
Methylene chloride	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 1.4	NA	< 1.4	< 3.4	< 3.4	< 3.4	< 3.4	< 0.68
Naphthalene	10	100	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.32	NA	< 0.32	< 0.8	< 0.8	< 0.8	< 0.80	< 0.16
n-Butylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.26	NA	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.26	NA	< 0.26	< 0.65	< 0.65	< 0.65	< 0.65	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.34	NA	< 0.34	< 0.85	< 0.85	< 0.85	< 0.85	< 0.17
sec-Butylbenzene	NE	NE	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.3	NA	< 0.3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.15
Styrene	10	100	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.2	NA	< 0.2	< 0.5	< 0.5	< 0.5	< 0.50	< 0.10
tert-Butylbenzene	NE	NE	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.28	NA	< 0.28	< 0.7	< 0.7	< 0.7	< 0.70	< 0.14
Tetrachloroethene	0.5	5	***1200***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***700***	NA	NA	NA	***1600***	NA	***1500***	***1100***	***1700***	***1600***	***1800***	***1200***
Toluene	160	800	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.38 J	NA	NA	NA	< 0.22	NA	< 0.22	< 0.55	< 0.55	< 0.55	< 0.55	< 0.11
trans-1,2-Dichloroethene	20	100	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 0.5	NA	2.9	< 1.3	5.2	6.2	5.0	4.1
Trichloroethene	0.5	5	***180***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***23***	NA	NA	NA	***130***	NA	***160***	***140***	***180***	***160***	***180***	***170***
Trichlorofluoromethane	698	3490	< 0.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	< 0.38	NA	< 0.38	< 0.95	< 0.95	< 0.95	< 5.0	< 1.0
Vinyl chloride	0.02	0.2	***1.4***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.2	NA	< 0.2	< 0.5	< 0.5	< 0.5	***1.5 J***	***1.3***
Xylenes, Total	400	2000	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	< 0.14	NA	< 0.14	< 0.34	< 0.34	< 0.34	< 0.34	< 0.068
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	1400	1000	8900	3000	3800	3700	2700	2000	1700	1300	1300	1200	1200	1100	1100	1100	NA	1200	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2	MW-21D2[1]	MW-21D2	MW-21D2[1]	MW-21D2[1]	MW-21D2	MW-21D2	MW-21D2	MW-21D2[1]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	11/28/2012	12/16/2012	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/17/2013	01/17/2013	01/31/2013	02/14/2013	02/14/2013	02/14/2013	02/28/2013	03/12/2013	04/17/2013	07/18/2013	10/15/2013	04/15/2014	10/23/2014
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 1.3	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 1.3	NA	< 1.3	< 2.5	< 1.3	< 0.5	< 1.3	< 0.25
1,1,1-Trichloroethane	40	200	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	< 0.20
1,1,2-Trichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	***1.4***	NA	NA	NA	< 1.4	NA	< 1.4	< 2.8	< 1.4	< 0.56	< 1.4	< 0.28
1,1-Dichloroethene	0.7	7	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 1.6	NA	< 1.6	< 3.1	< 1.6	< 0.62	< 1.6	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.7	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.7	NA	< 0.7	< 1.4	< 0.7	< 0.28	< 0.70	< 0.14
1,2-Dibromoethane	0.005	0.05	< 1.8	NA	NA	NA	NA	NA	NA	NA	< 0.36	NA	NA	NA	< 1.8	NA	< 1.8	< 3.6	< 1.8	< 0.72	< 1.8	< 0.36
1,2-Dichlorobenzene	60	600	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 0.27	NA	NA	NA	< 1.4	NA	< 1.4	< 2.7	< 1.4	< 0.54	< 1.4	< 0.27
1,2-Dichloroethane	0.5	5	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 1.4	NA	< 1.4	< 2.8	< 1.4	< 0.56	< 1.4	< 0.28
1,2-Dichloropropane	0.5	5	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 1.2	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 1.2	NA	< 1.2	< 2.4	< 1.2	< 0.48	< 1.2	< 0.24
1,2,4-Trichlorobenzene	14	70	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 1.6	NA	< 1.6	< 3.1	< 1.6	< 0.62	< 1.6	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.9	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.9	NA	< 0.9	< 1.8	< 0.9	< 0.36	< 0.90	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.37	NA	NA	NA	NA	NA	NA	NA	0.25 J	NA	NA	NA	< 0.37	NA	< 0.37	< 0.74	< 0.37	< 0.15	< 0.37	0.24 J
Bromodichloromethane	0.06	0.6	< 0.85	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.85	NA	< 0.85	< 1.7	< 0.85	< 0.34	< 0.85	< 0.17
Bromoform	0.44	4.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 1.4	NA	< 1.4	< 2.8	< 1.4	< 0.56	< 1.4	< 0.28
Bromomethane	1	10	< 1.6	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 1.6 *	NA	< 1.6	< 3.1	< 1.6	< 0.62	< 1.6	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 1.3	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 1.3	NA	< 1.3	< 2.6	< 1.3	< 0.52	< 1.3	< 0.26
Chloroform	0.6	6	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	***0.81 J***
Chloromethane	3	30	< 0.9	NA	NA	NA	NA	NA	NA	NA	< 0.18	NA	NA	NA	< 0.9	NA	< 0.9	< 1.8	< 0.9	< 0.36	< 0.90	< 0.18
cis-1,2-Dichloroethene	7	70	***300***	NA	NA	NA	NA	NA	NA	NA	< 0.12	NA	NA	NA	< 0.6	NA	< 0.6	***190***	***220***	***110***	***110***	1.3
Dichlorodifluoromethane	200	1000	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 1	NA	< 1	< 2	< 1	< 0.4	< 1.0	< 0.20
Ethylbenzene	140	700	< 0.65	NA	NA	NA	NA	NA	NA	NA	0.62	NA	NA	NA	< 0.65	NA	< 0.65	< 1.3	< 0.65	< 0.26	< 0.65	< 0.13
Isopropylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.7	NA	< 0.7	< 1.4	< 0.7	< 0.28	< 0.70	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 1.2	NA	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	< 1.2	NA	< 1.2	< 2.4	< 1.2	< 0.48	< 1.2	< 0.24
Methylene chloride	0.5	5	< 3.4	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA	NA	< 3.4	NA	< 3.4	< 6.8	< 3.4	< 1.4	< 3.4	< 0.68
Naphthalene	10	100	< 0.8	NA	NA	NA	NA	NA	NA	NA	< 0.16	NA	NA	NA	< 0.8	NA	< 0.8	< 1.6	< 0.8	< 0.32	< 0.80	< 0.16
n-Butylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.65	NA	< 0.65	< 1.3	< 0.65	< 0.26	< 0.65	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.65	NA	NA	NA	NA	NA	NA	NA	< 0.13	NA	NA	NA	< 0.65	NA	< 0.65	< 1.3	< 0.65	< 0.26	< 0.65	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.85	NA	NA	NA	NA	NA	NA	NA	< 0.17	NA	NA	NA	< 0.85	NA	< 0.85	< 1.7	< 0.85	< 0.34	< 0.85	< 0.17
sec-Butylbenzene	NE	NE	< 0.75	NA	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.75	NA	< 0.75	< 1.5	< 0.75	< 0.3	< 0.75	< 0.15
Styrene	10	100	< 0.5	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.5	NA	< 0.5	< 1	< 0.5	< 0.2	< 0.50	< 0.10
tert-Butylbenzene	NE	NE	< 0.7	NA	NA	NA	NA	NA	NA	NA	< 0.14	NA	NA	NA	< 0.7	NA	< 0.7	< 1.4	< 0.7	< 0.28	< 0.70	< 0.14
Tetrachloroethene	0.5	5	***2600***	NA	NA	NA	NA	NA	NA	NA	***1200***	NA	NA	NA	***3900***	NA	***2200***	***3500***	***2500***	***1500***	***1900***	***930***
Toluene	160	800	< 0.55	NA	NA	NA	NA	NA	NA	NA	0.48 J	NA	NA	NA	< 0.55	NA	< 0.55	< 1.1	< 0.55	< 0.22	< 0.55	< 0.11
trans-1,2-Dichloroethene	20	100	2.7 J	NA	NA	NA	NA	NA	NA	NA	< 0.25	NA	NA	NA	< 1.3	NA	< 1.3	< 2.5	< 1.3	< 0.5	< 1.3	< 0.25
Trichloroethene	0.5	5	***160***	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	***11***	NA	***14***	***150***	***210***	***120***	***130***	***3.3***
Trichlorofluoromethane	698	3490	< 0.95	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	< 0.95	NA	< 0.95	< 1.9	< 0.95	< 0.38	< 5.0	< 1.0
Vinyl chloride	0.02	0.2	< 0.5	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.5	NA	< 0.5	< 1	< 0.5	< 0.2	< 0.50	< 0.10
Xylenes, Total	400	2000	< 0.34	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA	NA	< 0.34	NA	< 0.34	< 0.68	< 0.34	< 0.14	< 0.34	< 0.068
Total PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																						
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																						
Total Dissolved Solids (mg/L)	NE	NE	1100	950	930	910	920	1000	1100	1900	1800	4000	1200	1700	NA	3900	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/15/2013	03/07/2013	04/19/2013	07/16/2013	10/10/2013	04/18/2014	10/20/2014	04/09/2015	10/20/2015	10/14/2016	10/06/2017	10/06/2017
VOCs														
1,1,1,2-Tetrachloroethane	7	70	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	0.14 J
1,2,4-Trimethylbenzene	96	480	0.86 J	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	0.11 J	0.11 J
1,2-Dichloroethane	0.5	5	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078
1,2-Dichloropropane	0.5	5	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	0.08 BJ	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	11 J
Benzene	0.5	5	***1.1***	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	***1***	NA	***0.91 J***	***1.4***	< 0.2	< 0.20	***0.75 J***	< 0.20	***0.66 J***	***0.91***	0.5	0.49 J
Chloromethane	3	30	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.72 J	***3***	***5.2***
cis-1,2-Dichloroethene	7	70	1.8	NA	6.1	3.8	***97***	***46***	***58***	***65***	***32***	***46***	***38 J-***	***37***
Dichlorodifluoromethane	200	1000	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	0.50	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14
Naphthalene	10	100	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***180***	NA	***160***	***210***	***13***	***23***	***61***	***17***	***30***	***18***	***24 BJ***	***23 B***
Toluene	160	800	1.7	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.12 J	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.36 J	0.49 J	0.46 J
Trichloroethene	0.5	5	***4.8***	NA	***5.4***	***8.5***	***6.1***	***4.2***	***7.1***	***2.9***	***4.1***	***9.8***	***9.4***	***9.1***
Trichlorofluoromethane	698	3490	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5	< 0.5
Vinyl chloride	0.02	0.2	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	***0.40 J***	***0.85***	***0.8***
Xylenes, Total	400	2000	1.5	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.12	< 0.12
Total PCBs														
Aroclor-1016	0.003	0.03	***12***	< 0.033	***4***	< 0.064	< 0.064	< 0.065	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	< 0.49	***13***	< 0.19	< 0.19	***12***	< 0.20	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	< 0.69	< 0.099	< 0.19	***4.7***	< 0.19	***7.1***	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	< 0.58	< 0.099	< 0.19	< 0.19	< 0.19	< 0.20	NA	NA	NA	NA	***2***	***1.9***
Total Detected PCBs	0.003	0.03	***12***	***13***	***4***	***4.7***	***12***	***7.1***	NA	NA	NA	NA	***2***	***1.9***
Dissolved PCBs														
Aroclor-1016	0.003	0.03	NA	< 0.037	< 0.068	< 0.065	< 0.063	< 0.067	***0.89***	< 0.063	< 0.064	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.11	< 0.2	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.11	< 0.2	< 0.19	< 0.19	***0.28 J***	< 0.19	***1.9***	< 0.19	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.11	< 0.2	< 0.19	< 0.19	< 0.20	< 0.19	< 0.19	< 0.19	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	ND	ND	ND	***0.28 J***	***0.89***	***1.9***	ND	NA	NA	NA
Solids														
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	806	830	838
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	1.2 J	< 0.95

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-22D	MW-22D[3]	MW-22D	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D	MW-22D[3]	MW-22D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/15/2013	01/15/2013	03/08/2013	04/19/2013	04/19/2013	07/16/2013	07/16/2013	10/10/2013	10/10/2013	04/18/2014	04/18/2014	10/16/2014	10/16/2014	04/09/2015
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	< 0.074	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	0.47 J
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	0.44	4.4	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Bromomethane	1	10	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chloroform	0.6	6	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Chloromethane	3	30	0.47 J	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,2-Dichloroethene	7	70	3.6	3.3	NA	4.9	4.9	3.7	3.7	< 0.12	4.0	2.6	2.5	4.2	4.9	4.2
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	140	700	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Methylene chloride	0.5	5	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	***6.6***	***7.1***	< 0.68
Naphthalene	10	100	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Styrene	10	100	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethene	0.5	5	***520***	***470***	NA	***450***	***430***	***270***	***310***	***190***	***190***	***430***	***450***	***250***	***270***	***170***
Toluene	160	800	< 0.11	< 0.11	NA	< 0.11	< 0.11	0.37 J	0.38 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Trichloroethene	0.5	5	***5.8***	***6***	NA	***5.8***	***5.7***	***5***	***5.3***	***4.9***	***5.3***	***6.8***	***6.7***	***5.7***	***6.9***	***5.6***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	***0.92***	< 0.10	< 0.10	***0.68***	***0.66***	***0.62***
Xylenes, Total	400	2000	< 0.068	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
Total PCBs																
Aroclor-1016	0.003	0.03	***2.4***	NA	< 0.033	< 0.064	NA	< 0.063	NA	< 0.063	NA	< 0.065	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.092	NA	***2.6***	< 0.19	NA	< 0.19	NA	***3.3***	NA	< 0.19	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.13	NA	< 0.1	< 0.19	NA	***0.97***	NA	< 0.19	NA	< 0.19	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.11	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.19	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	***2.4***	NA	***2.6***	ND	NA	***0.97***	NA	***3.3***	NA	ND	NA	NA	NA	NA
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	< 0.033	< 0.064	NA	< 0.064	NA	< 0.065	NA	< 0.066	NA	< 0.063	NA	< 0.063
Aroclor-1232	0.003	0.03	NA	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.20	NA	< 0.19	NA	< 0.19
Aroclor-1242	0.003	0.03	NA	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.20	NA	< 0.19	NA	***4.3***
Aroclor-1248	0.003	0.03	NA	NA	< 0.1	< 0.19	NA	< 0.19	NA	< 0.19	NA	< 0.20	NA	< 0.19	NA	< 0.19
Total Detected PCBs	0.003	0.03	NA	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	***4.3***
Solids																
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-22D[3]	MW-22D	MW-22D	MW-22D	MW-22D[3]	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D	MW-22D[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/09/2015	06/10/2015	07/20/2015	10/20/2015	10/20/2015	01/22/2016	04/21/2016	07/20/2016	10/14/2016	1/20/2017	04/11/2017	10/06/2017	10/06/2017
VOCs															
1,1,1,2-Tetrachloroethane	7	70	< 0.25	NA	NA	< 0.46	< 0.46	< 0.11	< 2.2	< 0.55	< 0.44	< 0.55	< 0.55	< 0.55	< 0.55
1,1,1-Trichloroethane	40	200	< 0.20	NA	NA	< 0.38	< 0.38	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	NA	NA	< 0.35	< 0.35	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56	< 0.70	< 0.70	< 0.7	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	NA	NA	< 0.36	< 0.36	< 0.060	< 1.2	< 0.30	< 0.24	< 0.30	< 0.30	< 0.3	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	NA	NA	< 0.39	< 0.39	< 0.13	< 2.6	< 0.65	< 0.52	< 0.65	< 0.65	< 0.65	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	NA	NA	< 0.33	< 0.33	< 0.076	< 1.5	< 0.38	< 0.30	< 0.38	< 0.38	< 0.38	< 0.38
1,2-Dichloroethane	0.5	5	< 0.28	NA	NA	< 0.39	< 0.39	< 0.078	< 1.6	< 0.39	< 0.31	< 0.39	< 0.39	< 0.39	< 0.39
1,2-Dichloropropane	0.5	5	< 0.20	NA	NA	< 0.43	< 0.43	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	NA	NA	< 0.46	< 0.46	< 0.045	< 0.90	< 0.23	< 0.18	< 0.23	< 0.23	< 0.23	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	NA	NA	< 0.34	< 0.34	< 0.077	< 1.5	< 0.39	< 0.31	< 0.39	< 0.39	< 0.39	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	NA	NA	< 0.25	< 0.25	< 0.075	< 1.5	< 0.38	< 0.30	< 0.38	< 0.38	< 0.38	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	< 3.0	< 60	< 15	< 12	< 15	< 15	< 15	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	< 0.95	< 19	< 4.8	< 3.8	< 4.8	< 4.8	< 4.8	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	< 0.77	< 15	< 3.9	< 3.1	< 3.9	< 3.9	< 3.9	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	< 3.4	< 68	< 17	< 14	< 17	38 BJ	< 17	< 17
Benzene	0.5	5	< 0.074	NA	NA	< 0.15	< 0.15	< 0.089	< 1.8	< 0.45	< 0.36	< 0.45	***0.80 J***	< 0.45	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	NA	NA	< 0.37	< 0.37	< 0.077	< 1.5	< 0.39	< 0.31	< 0.39	< 0.39	< 0.39	< 0.39
Bromoform	0.44	4.4	< 0.28	NA	NA	< 0.48	< 0.48	< 0.088	< 1.8	< 0.44	< 0.35	< 0.44	< 0.44	< 0.44	< 0.44
Bromomethane	1	10	< 0.31	NA	NA	< 0.80	< 0.80	< 0.59	< 12	< 3.0	< 2.4	< 3.0	< 3.0	< 3	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	< 0.053	9.2 J	< 0.27	< 0.21	< 0.27	2.3 J	< 0.27	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	NA	NA	< 0.38	< 0.38	< 0.038	< 0.76	< 0.19	< 0.15	< 0.19	< 0.19	< 0.19	< 0.19
Chloroform	0.6	6	< 0.20	NA	NA	< 0.37	< 0.37	0.36 J	***2.4 BJ***	< 0.31	< 0.25	0.40 BJ	***1.1 J***	< 0.31	< 0.31
Chloromethane	3	30	< 0.18	NA	NA	< 0.32	< 0.32	< 0.16	< 3.2	< 0.80	***3.4 J***	< 0.80	2.8 J+	< 0.8	***4.9 J***
cis-1,2-Dichloroethene	7	70	4.4	NA	NA	4.0	3.9	3.9	3.6 J	3.8	5.6	***14***	***26***	***47***	***47***
Dichlorodifluoromethane	200	1000	< 0.20	NA	NA	< 0.54	< 0.54	< 0.11	< 2.2	< 0.55	< 0.44	< 0.55	< 0.55	< 0.55	< 0.55
Ethylbenzene	140	700	< 0.13	NA	NA	< 0.18	< 0.18	< 0.054	< 1.1	< 0.27	< 0.22	< 0.27	< 0.27	< 0.27	< 0.27
Isopropylbenzene	NE	NE	< 0.14	NA	NA	< 0.39	< 0.39	< 0.081	< 1.6	< 0.41	< 0.32	< 0.41	< 0.41	< 0.41	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	< 0.057	< 1.1	< 0.29	< 0.23	< 0.29	< 0.29	< 0.29	< 0.29
Methyl tert-butyl ether	12	60	< 0.24	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56	< 0.70	< 0.70	< 0.7	< 0.7
Methylene chloride	0.5	5	< 0.68	NA	NA	< 1.6	< 1.6	< 0.14	< 2.8	< 0.70	< 0.56	***1.3 BJ***	< 0.70	< 0.7	< 0.7
Naphthalene	10	100	< 0.16	NA	NA	< 0.34	< 0.34	< 0.088	< 1.8	< 0.44	< 0.35	< 0.44	1.6 BJ	< 0.44	< 0.44
n-Butylbenzene	NE	NE	< 0.13	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56	< 0.70	< 0.70	< 0.7	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	< 0.21	< 4.2	< 1.1	< 0.84	< 1.1	< 1.1	< 1.1	< 1.1
n-Propylbenzene	NE	NE	< 0.13	NA	NA	< 0.41	< 0.41	< 0.10	< 2.0	< 0.50	< 0.40	< 0.50	< 0.50	< 0.5	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	< 0.058	< 1.2	< 0.29	< 0.23	< 0.29	< 0.29	< 0.29	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	NA	NA	< 0.36	< 0.36	< 0.085	< 1.7	< 0.43	< 0.34	< 0.43	< 0.43	< 0.43	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	NA	NA	< 0.40	< 0.40	< 0.13	< 2.6	< 0.65	< 0.52	< 0.65	< 0.65	< 0.65	< 0.65
Styrene	10	100	< 0.10	NA	NA	< 0.39	< 0.39	< 0.065	< 1.3	< 0.33	< 0.26	< 0.33	< 0.33	< 0.33	0.35 BJ
tert-Butylbenzene	NE	NE	< 0.14	NA	NA	< 0.40	< 0.40	< 0.12	< 2.4	< 0.60	< 0.48	< 0.60	< 0.60	< 0.6	< 0.6
Tetrachloroethene	0.5	5	***190***	NA	NA	***140***	***160***	***220***	***140***	***130***	***92***	***120***	***120***	***120 B***	***120 B***
Toluene	160	800	< 0.11	NA	NA	< 0.15	< 0.15	< 0.053	< 1.1	< 0.27	0.48 J	0.50 BJ	0.80 J	< 0.27	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	NA	NA	< 0.35	< 0.35	0.23 J	< 2.2	< 0.55	< 0.44	0.70 J	1.3 J	2.3 J	2.5 J
Trichloroethene	0.5	5	***5.7***	NA	NA	***5.4***	***5.7***	***6.1***	***5.6 J***	***5.7***	***4.4***	***5.2 B***	***6.3***	***9.4***	***9.4***
Trichlorofluoromethane	698	3490	< 1.0	NA	NA	< 1.0	< 1.0	< 0.50	< 10	< 2.5	< 2.0	< 2.5	< 2.5	< 2.5	< 2.5
Vinyl chloride	0.02	0.2	< 0.10	NA	NA	***0.66***	***0.74***	< 0.16	< 3.2	***0.85 J***	***2.2***	***4.3***	***6.5 J+***	***10***	***11***
Xylenes, Total	400	2000	< 0.068	NA	NA	< 0.22	< 0.22	< 0.058	< 1.2	< 0.29	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58
Total PCBs															
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***0.3***	***0.31***
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***0.3***	***0.31***
Dissolved PCBs															
Aroclor-1016	0.003	0.03	NA	< 0.066	< 0.062	< 0.069	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.20	< 0.19	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.20	< 0.19	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.20	< 0.19	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids															
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	892	890
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S[3]	MW-23S	MW-23S[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft	24 - 35 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/15/2013	04/19/2013	07/16/2013	09/05/2013	09/05/2013	10/10/2013	04/18/2014	10/20/2014	04/09/2015	10/20/2015	10/14/2016	10/14/2016	10/06/2017	10/06/2017
VOCs																
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.44	< 0.22	< 0.22	< 0.55
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.40	< 0.20	< 0.2	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	NA	***1.8***	< 0.28	< 0.28	< 0.28	< 0.35	< 0.40	< 0.20	< 0.2	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.56	< 0.28	< 0.28	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.24	< 0.12	< 0.12	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.52	< 0.26	< 0.26	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.30	< 0.15	< 0.15	< 0.38
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.31	< 0.16	< 0.16	< 0.39
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.40	< 0.20	< 0.2	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.18	< 0.090	< 0.09	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.31	< 0.15	< 0.15	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.30	< 0.15	< 0.15	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 12	< 6.0	< 6	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.8	< 1.9	< 1.9	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	< 1.5	< 1.5	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 14	< 6.8	14 J	< 17
Benzene	0.5	5	***0.73***	< 0.074	< 0.074	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.36	< 0.18	< 0.18	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.31	< 0.15	< 0.15	< 0.39
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.35	< 0.18	< 0.18	< 0.44
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 2.4	< 1.2	< 1.2	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.11	< 0.11	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.15	< 0.076	< 0.076	< 0.19
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.25	< 0.12	< 0.12	< 0.31
Chloromethane	3	30	1.2	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	2.3 BJ	0.86 J	0.92 J	2.7 J
cis-1,2-Dichloroethene	7	70	< 0.12	3.7	***29***	***27***	NA	***16***	***16***	***19***	***20***	***9.6***	***12***	***15***	***33***	***33***
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.44	< 0.22	< 0.22	< 0.55
Ethylbenzene	140	700	0.43 J	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.22	< 0.11	< 0.11	< 0.27
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.32	< 0.16	< 0.16	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.23	< 0.11	< 0.11	< 0.29
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.56	< 0.28	< 0.28	< 0.7
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.56	< 0.28	< 0.28	< 0.7
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.35	< 0.18	< 0.18	0.45 BJ
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.56	< 0.28	< 0.28	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.84	< 0.42	< 0.42	< 1.1
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.40	< 0.20	< 0.2	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.23	< 0.12	< 0.12	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.34	< 0.17	< 0.17	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.52	< 0.26	< 0.26	< 0.65
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.26	< 0.13	< 0.13	0.35 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.48	< 0.24	< 0.24	< 0.6
Tetrachloroethene	0.5	5	***290***	***580***	***420***	***240***	NA	***130***	***210***	***190***	***190***	***360***	***66***	***88***	***120 B***	***120 B***
Toluene	160	800	1.3	< 0.11	< 0.11	< 0.11	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.21	< 0.11	< 0.11	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.44	< 0.22	< 0.22	< 0.55
Trichloroethene	0.5	5	***0.64***	***1.4***	***20***	***17***	NA	***15***	***11***	***11***	***10***	***5.9***	***7.2***	***9.1***	***7.8***	***7.6***
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 0.19	NA	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1	< 2.5
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.64	< 0.32	< 0.32	< 0.8
Xylenes, Total	400	2000	0.95 J	< 0.068	< 0.068	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.23	< 0.12	< 0.23	< 0.58
Total PCBs																
Aroclor-1016	0.003	0.03	< 0.19	NA	< 0.063	< 0.028	NA	< 0.066	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	< 0.11	NA	< 0.19	< 0.083	NA	< 0.2	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	< 0.15	NA	< 0.19	< 0.083	NA	< 0.2	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	< 0.13	NA	< 0.19	< 0.083	NA	< 0.2	NA	NA	NA	NA	NA	NA	***0.034 J***	< 0.02
Total Detected PCBs	0.003	0.03	ND	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	***0.034 J***	ND
Dissolved PCBs																
Aroclor-1016	0.003	0.03	NA	NA	< 0.063	NA	< 0.026	< 0.064	NA	< 0.063	< 0.063	< 0.063	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	< 0.19	NA	< 0.078	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	< 0.19	NA	< 0.078	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	< 0.19	NA	< 0.078	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	ND	NA	ND	ND	NA	ND	ND	ND	NA	NA	NA	NA
Solids																
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	478	NA	656	644
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.8	NA	16.8	18

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D[3]	MW-23D	MW-23D[3]
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	01/14/2013	03/08/2013	04/19/2013	04/20/2013	07/17/2013	10/10/2013	04/18/2014	10/20/2014	04/09/2015	10/20/2015	01/22/2016	04/21/2016	07/20/2016	10/14/2016	1/20/2017	04/11/2017	04/11/2017	10/06/2017	10/06/2017
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
1,1,1-Trichloroethane	40	200	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
1,1,2-Trichloroethane	0.5	5	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
1,1-Dichloroethene	0.7	7	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 2.8	< 0.70	< 0.14	< 1.4	< 1.4	< 0.14	< 0.7	< 0.7
1,2,4-Trimethylbenzene	96	480	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 1.2	< 0.30	< 0.060	< 0.60	< 0.60	< 0.060	< 0.3	< 0.3
1,2-Dibromoethane	0.005	0.05	< 0.36	NA	< 0.36	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 2.6	< 0.65	< 0.13	< 1.3	< 1.3	< 0.13	< 0.65	< 0.65
1,2-Dichlorobenzene	60	600	< 0.27	NA	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 1.5	< 0.38	< 0.076	< 0.76	< 0.76	< 0.076	< 0.38	< 0.38
1,2-Dichloroethane	0.5	5	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 1.6	< 0.39	< 0.078	< 0.78	< 0.78	< 0.078	< 0.39	< 0.39
1,2-Dichloropropane	0.5	5	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
1,2,3-Trichlorobenzene	NE	NE	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.90	< 0.23	< 0.045	< 0.45	< 0.45	< 0.045	< 0.23	< 0.23
1,2,4-Trichlorobenzene	14	70	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 1.5	< 0.39	< 0.077	< 0.77	< 0.77	< 0.077	< 0.39	< 0.39
1,3,5-Trimethylbenzene	96	480	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 1.5	< 0.38	< 0.075	< 0.75	< 0.75	< 0.075	< 0.38	< 0.38
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 60	< 15	< 3.0	< 30	< 30	< 3.0	< 15	< 15
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 19	< 4.8	< 0.95	< 9.5	< 9.5	< 0.95	< 4.8	< 4.8
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 15	< 3.9	< 0.77	< 7.7	< 7.7	< 0.77	< 3.9	< 3.9
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 68	< 17	< 3.4	< 34	< 34	9.6 BJ	< 17	< 17
Benzene	0.5	5	0.32 J	NA	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 1.8	< 0.45	< 0.089	< 0.89	< 0.89	< 0.089	< 0.45	< 0.45
Bromodichloromethane	0.06	0.6	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 1.5	< 0.39	< 0.077	***1.1 BJ***	< 0.77	< 0.077	< 0.39	< 0.39
Bromoform	0.44	4.4	< 0.28	NA	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 1.8	< 0.44	< 0.088	< 0.88	< 0.88	< 0.088	< 0.44	< 0.44
Bromomethane	1	10	< 0.31	NA	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.80	< 0.59	< 12	< 3.0	< 0.59	< 5.9	< 5.9	< 0.59	< 3	< 3
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 1.1	< 0.27	< 0.053	1.4 J	< 0.53	< 0.053	< 0.27	< 0.27
Carbon tetrachloride	0.5	5	< 0.26	NA	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.76	< 0.19	< 0.038	< 0.38	< 0.38	< 0.038	< 0.19	< 0.19
Chloroform	0.6	6	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	***2.2 BJ***	< 0.31	< 0.062	***1.1 BJ***	***1.1 J***	< 0.062	< 0.31	< 0.31
Chloromethane	3	30	< 0.18	NA	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 3.2	< 0.80	< 0.16	***3.2 BJ***	< 1.6	< 0.16	1.5 J	***4.3 J***
cis-1,2-Dichloroethene	7	70	< 0.12	NA	< 0.12	NA	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
Dichlorodifluoromethane	200	1000	< 0.2	NA	< 0.2	NA	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	0.27 J	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
Ethylbenzene	140	700	0.20 J	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 1.1	< 0.27	< 0.054	< 0.54	< 0.54	< 0.054	< 0.27	< 0.27
Isopropylbenzene	NE	NE	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 1.6	< 0.41	< 0.081	< 0.81	< 0.81	< 0.081	< 0.41	< 0.41
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 1.1	< 0.29	< 0.057	< 0.57	< 0.57	< 0.057	< 0.29	< 0.29
Methyl tert-butyl ether	12	60	< 0.24	NA	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 2.8	< 0.70	< 0.14	< 1.4	< 1.4	< 0.14	< 0.7	< 0.7
Methylene chloride	0.5	5	< 0.68	NA	< 0.68	NA	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	***0.57 J***	< 2.8	< 0.70	< 0.14	***1.8 BJ***	< 1.4	< 0.14	< 0.7	< 0.7
Naphthalene	10	100	< 0.16	NA	< 0.16	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 1.8	< 0.44	< 0.088	< 0.88	< 0.88	< 0.088	< 0.44	< 0.44
n-Butylbenzene	NE	NE	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 2.8	< 0.70	< 0.14	< 1.4	< 1.4	< 0.14	< 0.7	< 0.7
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 4.2	< 1.1	< 0.21	< 2.1	< 2.1	< 0.21	< 1.1	< 1.1
n-Propylbenzene	NE	NE	< 0.13	NA	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 2.0	< 0.50	< 0.10	< 1.0	< 1.0	< 0.10	< 0.5	< 0.5
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 1.2	< 0.29	< 0.058	< 0.58	< 0.58	< 0.058	< 0.29	< 0.29
p-Isopropyltoluene	NE	NE	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 1.7	< 0.43	< 0.085	< 0.85	< 0.85	< 0.085	< 0.43	< 0.43
sec-Butylbenzene	NE	NE	< 0.15	NA	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 2.6	< 0.65	< 0.13	< 1.3	< 1.3	< 0.13	< 0.65	< 0.65
Styrene	10	100	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 1.3	< 0.33	< 0.065	< 0.65	< 0.65	< 0.065	0.45 J	< 0.33
tert-Butylbenzene	NE	NE	< 0.14	NA	< 0.14	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 2.4	< 0.60	< 0.12	< 1.2	< 1.2	< 0.12	< 0.6	< 0.6
Tetrachloroethene	0.5	5	***100***	NA	***86***	NA	***170***	***160***	***190***	***190***	***220***	***84***	***170***	***130***	***160***	***160***	***140***	***140***	***140***	***130 B***	***130 B***
Toluene	160	800	0.60	NA	< 0.11	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 1.1	< 0.27	< 0.053	1.6 BJ	< 0.53	< 0.053	< 0.27	< 0.27
trans-1,2-Dichloroethene	20	100	< 0.25	NA	< 0.25	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 2.2	< 0.55	< 0.11	< 1.1	< 1.1	< 0.11	< 0.55	< 0.55
Trichloroethene	0.5	5	< 0.19	NA	***0.53***	NA	0.21 J	< 0.19	< 0.19	0.27 J	< 0.19	< 0.16	0.22 J	< 1.2	< 0.31	0.19 J	< 0.62	< 0.62	0.16 J	< 0.31	< 0.31
Trichlorofluoromethane	698	3490	< 0.19	NA	< 0.19	NA	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 10	< 2.5	< 0.50	< 5.0	< 5.0	< 0.50	< 2.5	< 2.5
Vinyl chloride	0.02	0.2	< 0.1	NA	< 0.1	NA	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 3.2	< 0.80	< 0.16	< 1.6	< 1.6	< 0.16	< 0.8	< 0.8
Xylenes, Total	400	2000	0.68 J	NA	< 0.068	NA	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 1.2	< 0.29	< 0.058	< 1.2	< 1.2	< 0.12	< 0.58	< 0.58
Total PCBs																					
Aroclor-1016	0.003	0.03	< 0.16	< 0.034	NA	< 0.065	< 0.067	< 0.064	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035	< 0.035
Aroclor-1232	0.003	0.03	< 0.089	< 0.1	NA	< 0.19	< 0.2	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.037	< 0.037
Aroclor-1242	0.003	0.03	***0.24 J***	< 0.1	NA	< 0.19	< 0.2	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.038	< 0.038
Aroclor-1248	0.003	0.03	< 0.11	< 0.1	NA	< 0.19	< 0.2	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	< 0.02
Total Detected PCBs	0.003	0.03	***0.24 J***	ND	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	< 0.034	NA	< 0.066	< 0.068	< 0.065	NA	< 0.063	< 0.063	< 0.065	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	< 0.1	NA	< 0.2	< 0.2	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	< 0.1	NA	< 0.2	< 0.2	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	< 0.1	NA	< 0.2	< 0.2	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	524	534
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95

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Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-25D	MW-25D[3]	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D	MW-25D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	30 - 40 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft	120 - 130 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/29/2013	07/19/2013	10/08/2013	04/17/2014	10/14/2014	10/09/2017	04/05/2018	10/15/2018	04/09/2019	10/15/2019	05/06/2013	05/06/2013	07/19/2013	10/09/2013	04/21/2014	07/09/2014	08/26/2014	10/20/2014	01/28/2015	04/10/2015	07/21/2015	10/19/2015	10/11/2016	10/03/2017
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1
1,1,2-Trichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1
1,1-Dichloroethene	0.7	7	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06
1,2-Dibromoethane	0.005	0.05	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078
1,2-Dichloropropane	0.5	5	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1
1,2,3-Trichlorobenzene	NE	NE	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4
Benzene	0.5	5	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	NA	NA	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088
Bromomethane	1	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA	NA	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	NA	NA	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	0.08 J
Chloromethane	3	30	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.37 BJ	0.82 J+
cis-1,2-Dichloroethene	7	70	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	NA	NA	NA	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.13	0.31 J	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.35 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	0.06 BJ
Methyl tert-butyl ether	12	60	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	NA	NA	NA	< 0.68	< 0.68	< 0.68	***5.3***	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.23 J	***0.51 J***
Naphthalene	10	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16 *	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13
Styrene	10	100	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA	NA	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	0.07 BJ
tert-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12
Tetrachloroethene	0.5	5	***3***	***3***	***3.3***	***2.8***	***0.83 J***	NA	NA	NA	NA	NA	***0.76 J***	< 0.17	***2.8***	***3.1***	***1.3***	***1.2***	***1.1***	***0.54 J***	***0.86 J***	< 0.17	***0.66 J***	***0.51 J***	***0.55***	0.37 J-
Toluene	160	800	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	NA	NA	NA	NA	NA	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.49 J	0.73	< 0.11	< 0.11	< 0.11	< 0.11	0.55	0.090 J	0.07 BJ
trans-1,2-Dichloroethene	20	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	NA	NA	NA	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062
Trichlorofluoromethane	698	3490	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.5
Vinyl chloride	0.02	0.2	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	NA	NA	NA	NA	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.068	0.37 J	< 0.068	< 0.068	< 0.068	NA	NA	NA	NA	NA	< 0.068	< 0.068	0.36 J	< 0.068	< 0.068	1.6	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	1.9	< 0.058	< 0.12
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	< 0.035	< 0.035	< 0.0072	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	< 0.037	< 0.037	< 0.0042	< 0.0042	< 0.0042	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	< 0.038	< 0.038	< 0.013	< 0.013	< 0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	< 0.02	< 0.020	< 0.011	< 0.011	< 0.011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	2060	2300	2120	2170	2150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	1 J	1.2 J	1.8	3.2	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-25D	MW-25D[3]	MW-25D	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2[3]	MW-25D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	120 - 130 ft	120 - 130 ft	120 - 130 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft	160 - 170 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	10/10/2018	10/10/2018	10/09/2019	05/06/2013	07/19/2013	10/04/2013	04/21/2014	07/10/2014	08/26/2014	10/22/2014	01/28/2015	04/10/2015	07/21/2015	10/19/2015	01/21/2016	04/20/2016	07/19/2016	10/11/2016	1/19/2017	04/12/2017	10/03/2017	04/03/2018	04/03/2018	10/10/2018
VOCs																									
1,1,1,2-Tetrachloroethane	7	70	< 0.11	< 0.11	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.10	< 0.10	< 0.24	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.10	< 0.10	< 0.55	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	0.7	7	< 0.14	< 0.14	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.060	< 0.060	< 0.84	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060	< 0.060	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.13	< 0.13	< 0.83	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.076	< 0.076	< 0.71	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloroethane	0.5	5	< 0.078	< 0.078	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078
1,2-Dichloropropane	0.5	5	< 0.10	< 0.10	< 0.28	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.045	< 0.045	< 0.63	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	0.070 J	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.077	< 0.077	< 0.95	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.075	< 0.075	< 0.87	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	< 3.0	< 3.0	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0	< 3.0	< 3.0
2-Hexanone	NE	NE	< 0.95	< 0.95	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	< 0.77	< 0.77	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	< 3.7 U	< 3.4	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 4.9 U
Benzene	0.5	5	< 0.089	< 0.089	< 0.25	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.077	< 0.077	< 0.36	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 0.088	< 0.088	< 4.0	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.72 U	< 0.59	< 0.97	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	< 0.053	< 0.053	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	0.44 J	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.038	< 0.038	< 0.17	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 0.062	< 0.062	< 1.3	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.12 J	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 0.65 U	< 0.16	< 2.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	0.17 J	0.68 BJ	< 0.16	0.64 J	0.37 J+	< 0.16	< 0.16	< 0.57 U
cis-1,2-Dichloroethene	7	70	< 0.11	< 0.11	< 0.27	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.41	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Dichlorodifluoromethane	200	1000	< 0.11	< 0.11	< 0.50	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.054	< 0.054	< 0.22	< 0.13	< 0.13	< 0.13	< 0.13	0.47 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.081	< 0.081	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	< 0.057	< 0.057	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057
Methyl tert-butyl ether	12	60	< 0.14	< 0.14	< 1.2	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylene chloride	0.5	5	< 0.54 U	< 0.42 U	< 0.58	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.38 J	< 0.14	< 0.14	< 0.14	0.14 BJ	< 0.14	< 0.14	0.14 J+	< 0.14	< 0.31 U
Naphthalene	10	100	< 0.13 U	< 0.088	< 1.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	0.31 BJ	< 0.088	0.31 BJ	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.14	< 0.14	< 0.71	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	< 0.21	< 0.21	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.10	< 0.10	< 0.81	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10	< 0.10	< 0.10
o-Xylene	400	2000	< 0.058	< 0.058	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.085	< 0.085	< 0.80	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.13	< 0.13	< 0.85	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.065	< 0.065	< 0.47	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	0.14 J	< 0.065	< 0.065	< 0.065	0.08 BJ	< 0.065	< 0.065	< 0.065
tert-Butylbenzene	NE	NE	< 0.12	< 0.12	< 0.30	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	0.33 J	0.36 J	< 0.33 U	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.081	< 0.081	< 0.081	< 0.081	0.090 BJ	< 0.081	0.1 J-	0.14 J	0.11 J	< 0.081
Toluene	160	800	< 0.053	< 0.053	< 0.17	< 0.11	< 0.11	< 0.11	< 0.11	0.63	1.2	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	0.11 J	< 0.053	0.16 J	0.07 BJ	< 0.053	< 0.053	< 0.053
trans-1,2-Dichloroethene	20	100	< 0.11	< 0.11	< 1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	0.5	5	< 0.062	< 0.062	< 0.26	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Trichlorofluoromethane	698	3490	< 0.13	< 0.13	< 0.21	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5	< 0.5	< 0.13
Vinyl chloride	0.02	0.2	< 0.16	< 0.16	< 0.17	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 0.12	< 0.12	< 1.5	< 0.068	< 0.068	< 0.068	< 0.068	2.5	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-25D2	MW-25D2	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-27D	MW-27D[3]	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D[3]	MW-27D	MW-27D	MW-27D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	160 - 170 ft	160 - 170 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	6.8 - 16.8 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft	130 - 140 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	04/10/2019	10/09/2019	08/23/2013	10/09/2013	04/22/2014	07/10/2014	10/15/2014	12/26/2013	12/26/2013	04/18/2014	07/09/2014	10/21/2014	01/29/2015	04/14/2015	07/21/2015	10/20/2015	01/21/2016	04/20/2016	07/19/2016	10/11/2016	1/19/2017	1/19/2017	04/11/2017	10/04/2017	04/03/2018
VOCs																										
1,1,1,2-Tetrachloroethane	7	70	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,1-Trichloroethane	40	200	< 0.24	< 0.24	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,2-Trichloroethane	0.5	5	< 0.55	< 0.55	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1-Dichloroethene	0.7	7	< 0.24	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,2,4-Trimethylbenzene	96	480	< 0.84	< 0.84	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.06	< 0.060
1,2-Dibromoethane	0.005	0.05	< 0.83	< 0.83	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2-Dichlorobenzene	60	600	< 0.71	< 0.71	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076	< 0.076
1,2-Dichloroethane	0.5	5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078
1,2-Dichloropropane	0.5	5	< 0.28	< 0.28	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	NE	NE	< 0.63	< 0.63	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045
1,2,4-Trichlorobenzene	14	70	< 0.95	< 0.95	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
1,3,5-Trimethylbenzene	96	480	< 0.87	< 0.87	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
2-Butanone	800	4000	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3	< 3.0
2-Hexanone	NE	NE	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
4-Methyl-2-pentanone	50	500	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Acetone	1800	9000	< 2.7	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.1 J	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	3.7 BJ	< 3.4
Benzene	0.5	5	< 0.25	< 0.25	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089
Bromodichloromethane	0.06	0.6	< 0.36	< 0.36	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077	< 0.077
Bromoform	0.44	4.4	< 4.0	< 4.0	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Bromomethane	1	10	< 0.97	< 0.97	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Carbon disulfide	200	1000	< 0.37	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053
Carbon tetrachloride	0.5	5	< 0.17	< 0.17	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
Chloroform	0.6	6	< 1.3	< 1.3	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
Chloromethane	3	30	< 2.2	< 2.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	< 0.16	< 0.16	< 0.16	0.53 BJ	< 0.16	< 0.16	< 0.16	0.4 J+	< 0.16
cis-1,2-Dichloroethene	7	70	< 0.27	< 0.27	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	0.85 J	0.83 J	2.6	2.5	1.1	2.4	2.2	2.4	5.5	1.9	1.7	1.5	0.54	0.99 B	1.1 B	1.2	0.89	0.56
Dichlorodifluoromethane	200	1000	< 0.50	< 0.50	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	0.12 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Ethylbenzene	140	700	< 0.22	< 0.22	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.55	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054
Isopropylbenzene	NE	NE	< 0.39	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081
m,p-Xylene	400	2000	< 0.47	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	0.06 BJ	0.080 J
Methyl tert-butyl ether	12	60	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	1.3	< 0.24	< 0.24	0.92 J	< 0.24	0.86 J	< 0.39	0.68	0.68	0.62	< 0.14	0.42 J	0.38 J+	0.51	0.39 J	< 0.14
Methylene chloride	0.5	5	< 0.58	< 0.58	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	0.41 J	< 0.14	< 0.14	< 0.14	0.16 BJ	< 0.14	< 0.14	< 0.14	0.16 J
Naphthalene	10	100	< 1.2	< 1.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
n-Butylbenzene	NE	NE	< 0.71	< 0.71	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
n-Hexane	120	600	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
n-Propylbenzene	NE	NE	< 0.81	< 0.81	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
o-Xylene	400	2000	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058	< 0.058
p-Isopropyltoluene	NE	NE	< 0.80	< 0.80	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085
sec-Butylbenzene	NE	NE	< 0.85	< 0.85	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Styrene	10	100	< 0.47	< 0.47	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	0.36 J	< 0.065	< 0.065	< 0.065	< 0.065 J	0.07 BJ	< 0.065
tert-Butylbenzene	NE	NE	< 0.30	< 0.30	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5	< 0.33	< 0.33	***1.4***	< 0.17	< 0.17	< 0.17	< 0.17	***1.8***	***1.8***	***5.4***	***5***	***1.7***	***4.2***	***3.8***	***5***	***13***	***4.5***	***3.4***	***2.1***	***1.1***	***1.9 B***	***2.3 B***	***2.1 B***	***1.9***	***1.2***
Toluene	160	800	< 0.17	< 0.17	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.53	0.49 J	< 0.11	0.47 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.053	< 0.053	< 0.053	< 0.053	0.060 BJ	0.11 BJ	< 0.053	0.09 BJ	0.090 J
trans-1,2-Dichloroethene	20	100	< 1.1	< 1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.17 J	0.16 J	0.17 J	< 0.11	< 0.11	< 0.11	0.13 J	0.13 J	0.19 J
Trichloroethene	0.5	5	< 0.26	< 0.26	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	***1.3***	***1.2***	***3.5***	***3.5***	***1.7***	***3.2***	***2.9***	***3.4***	***12***	***2.8***	***2.6***	***2.1***	***1.3***	***1.7 B***	***2.1***	***2.1***	***1.6***	***1.2***
Trichlorofluoromethane	698	3490	< 0.21	< 0.21	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	< 0.5
Vinyl chloride	0.02	0.2	< 0.17	< 0.17	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Xylenes, Total	400	2000	< 1.5	< 1.5	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	3.0	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.058	< 0.058	< 0.058	< 0.058	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																										
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																										
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-27D	MW-27D	MW-27D	MW-27D2	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2[3]	MW-27D2	MW-27D2	MW-27D2
SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	130 - 140 ft	130 - 140 ft	130 - 140 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft	170 - 180 ft
SAMPLE DATE			10/10/2018	04/10/2019	10/10/2019	12/26/2013	04/18/2014	07/09/2014	07/09/2014	10/21/2014	01/29/2015	01/29/2015	04/14/2015	07/21/2015	07/21/2015	10/20/2015	10/11/2016	10/11/2016	10/04/2017	10/10/2018	10/10/2019
VOCs																					
1,1,1,2-Tetrachloroethane	7	70	< 0.11	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.22	< 0.22	< 0.11	< 0.11	< 0.27
1,1,1-Trichloroethane	40	200	< 0.10	< 0.24	< 0.24	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.38	< 0.20	< 0.20	< 0.1	< 0.10	< 0.24
1,1,2-Trichloroethane	0.5	5	< 0.10	< 0.55	< 0.55	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.20	< 0.20	< 0.1	< 0.10	< 0.55
1,1-Dichloroethene	0.7	7	< 0.14	< 0.24	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.28	< 0.28	< 0.14	< 0.14	< 0.24
1,2,4-Trimethylbenzene	96	480	< 0.060 J-	< 0.84	< 0.84	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.12	< 0.12	< 0.06	< 0.060 J-	< 0.84
1,2-Dibromoethane	0.005	0.05	< 0.13	< 0.83	< 0.83	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.26	< 0.26	< 0.13	< 0.13	< 0.83
1,2-Dichlorobenzene	60	600	< 0.076	< 0.71	< 0.71	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.15	< 0.15	< 0.076	< 0.076	< 0.71
1,2-Dichloroethane	0.5	5	< 0.078	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.16	< 0.16	< 0.078	< 0.078	< 0.28
1,2-Dichloropropane	0.5	5	< 0.10	< 0.28	< 0.28	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.43	< 0.20	< 0.20	< 0.1	< 0.10	< 0.28
1,2,3-Trichlorobenzene	NE	NE	< 0.045	< 0.63	< 0.63	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.090	< 0.090	< 0.045	< 0.045	< 0.63
1,2,4-Trichlorobenzene	14	70	< 0.077	< 0.95	< 0.95	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.15	< 0.15	< 0.077	< 0.077	< 0.95
1,3,5-Trimethylbenzene	96	480	< 0.075	< 0.87	< 0.87	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.15	< 0.15	< 0.075	< 0.075 J-	< 0.87
2-Butanone	800	4000	< 3.0	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.0	< 6.0	< 3	< 3.0	< 2.9
2-Hexanone	NE	NE	< 0.95	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9	< 1.9	< 0.95	< 0.95	< 2.5
4-Methyl-2-pentanone	50	500	< 0.77	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 0.77	< 0.77	< 1.5
Acetone	1800	9000	< 3.8 U	< 2.7	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.8	< 6.8	3.5 J	< 3.4	< 2.7
Benzene	0.5	5	< 0.089	< 0.25	< 0.25	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.18	< 0.18	< 0.089	< 0.089	< 0.25
Bromodichloromethane	0.06	0.6	< 0.077	< 0.36	< 0.36	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.15	< 0.15	< 0.077	< 0.077	< 0.36
Bromoform	0.44	4.4	< 0.088	< 4.0	< 4.0	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.18	< 0.18	< 0.088	< 0.088	< 4.0
Bromomethane	1	10	< 0.59	< 0.97	< 0.97	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 1.2	< 1.2	< 0.59	< 0.59	< 0.97
Carbon disulfide	200	1000	< 0.053	< 0.37	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.11	< 0.053	< 0.053	< 0.37
Carbon tetrachloride	0.5	5	< 0.038	< 0.17	< 0.17	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.076	< 0.076	< 0.038	< 0.038	< 0.17
Chloroform	0.6	6	< 0.062	< 1.3	< 1.3	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.37	< 0.12	< 0.12	< 0.062	< 0.062	< 1.3
Chloromethane	3	30	< 0.57 U	< 2.2	< 2.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.90 BJ	1.0 J	0.46 J	< 0.16	< 2.2
cis-1,2-Dichloroethene	7	70	0.20 J	1.1	1.1	3.7	***12***	***11***	***11***	***12***	***11***	***11***	***8.2***	6.1	6.1	1.8	***21***	***23***	***9.4***	***13***	***12.7***
Dichlorodifluoromethane	200	1000	< 0.11	< 0.50	< 0.50	< 0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.54	< 0.22	< 0.22	< 0.11	< 0.11	< 0.50
Ethylbenzene	140	700	< 0.054	< 0.22	< 0.22	< 0.13	< 0.13	0.33 J	0.36 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.11	< 0.11	< 0.054	< 0.054	< 0.22
Isopropylbenzene	NE	NE	< 0.081	< 0.39	< 0.39	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.16	< 0.16	< 0.081	< 0.081	< 0.39
m,p-Xylene	400	2000	< 0.057	< 0.47	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11	< 0.11	< 0.057	< 0.057	< 0.47
Methyl tert-butyl ether	12	60	< 0.14	< 1.2	< 1.2	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.83 J	< 0.28	< 0.28	< 0.14	< 0.14	< 1.2
Methylene chloride	0.5	5	< 0.36 U	< 0.58	< 0.58	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.28	< 0.28	< 0.14	< 0.33 U	< 0.58
Naphthalene	10	100	< 0.088	< 1.2	< 1.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.18	< 0.18	< 0.088	< 0.088	< 1.2
n-Butylbenzene	NE	NE	< 0.14	< 0.71	< 0.71	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.28	< 0.28	< 0.14	< 0.14	< 0.71
n-Hexane	120	600	< 0.21	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42	< 0.42	< 0.21	< 0.21	< 1.7
n-Propylbenzene	NE	NE	< 0.10	< 0.81	< 0.81	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.20	< 0.20	< 0.1	< 0.10	< 0.81
o-Xylene	400	2000	< 0.058	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.12	< 0.12	< 0.058	< 0.058	< 0.26
p-Isopropyltoluene	NE	NE	< 0.085	< 0.80	< 0.80	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.36	< 0.17	< 0.17	< 0.085	< 0.085	< 0.80
sec-Butylbenzene	NE	NE	< 0.13	< 0.85	< 0.85	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.40	< 0.26	< 0.26	< 0.13	< 0.13	< 0.85
Styrene	10	100	< 0.065 J-	< 0.47	< 0.47	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.39	< 0.13	< 0.13	< 0.065	< 0.065 J-	< 0.47
tert-Butylbenzene	NE	NE	< 0.12	< 0.30	< 0.30	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.40	< 0.24	< 0.24	< 0.12	< 0.12	< 0.30
Tetrachloroethene	0.5	5	0.27 J	***2.7***	< 0.33	***11***	***44***	***36***	***35***	***41***	***38***	***36***	***25***	***17***	***17***	***3.1***	***67***	***63***	***24***	***26 J-***	***28.7***
Toluene	160	800	< 0.053	< 0.17	< 0.17	0.20 J	< 0.11	0.43 J	0.41 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	< 0.11	0.18 J	0.08 J	0.060 J	< 0.17
trans-1,2-Dichloroethene	20	100	< 0.11	< 1.1	< 1.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	0.64 J	0.66 J	0.33 J	0.29 J	< 1.1
Trichloroethene	0.5	5	***0.61***	***1.7***	< 0.26	***7.2***	***25***	***21***	***20***	***23***	***23***	***23***	***17***	***15***	***16***	***2.5***	***45***	***45***	***18***	***22 J-***	***23.6***
Trichlorofluoromethane	698	3490	< 0.13	< 0.21	< 0.21	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 0.13	< 0.21
Vinyl chloride	0.02	0.2	< 0.16	< 0.17	< 0.17	< 0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.32	< 0.32	< 0.16	< 0.16	< 0.17
Xylenes, Total	400	2000	< 0.12	< 1.5	< 1.5	< 0.068	< 0.068	1.6	1.6	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 1.5
Total PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																					
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																					
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-28	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S[3]	MW-29D	MW-29D	MW-29D	MW-29D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	28 - 38 ft	28 - 38 ft	28 - 38 ft	28 - 38 ft	28 - 38 ft	28 - 38 ft	28 - 38 ft	28 - 38 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	45 - 50 ft	45 - 50 ft	45.2 - 50.2 ft	45.2 - 50.2 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	03/13/2015	04/09/2015	10/20/2015	10/10/2017	04/06/2018	10/17/2018	04/12/2019	10/16/2019	04/05/2018	10/16/2018	4/12/2019	10/15/2019	10/15/2019	04/05/2018	10/16/2018	04/12/2019	10/15/2019
VOCs																			
1,1,1,2-Tetrachloroethane	7	70	NA	NA	NA	NA	NA	< 1.1	NA	0.50 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	NA	NA	NA	NA	NA	< 1.0	NA	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	NA	NA	NA	NA	NA	< 1.0	NA	< 0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	NA	NA	NA	NA	NA	< 1.4	NA	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	NA	NA	NA	NA	NA	< 0.60	NA	< 0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	NA	NA	NA	NA	NA	< 1.3	NA	< 0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	NA	NA	NA	NA	NA	< 0.76	NA	< 0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	NA	NA	NA	NA	NA	< 0.78	NA	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	NA	NA	NA	NA	NA	< 1.0	NA	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	NA	NA	NA	NA	NA	< 0.45	NA	< 0.63	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	NA	NA	NA	NA	NA	< 0.77	NA	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	NA	NA	NA	NA	NA	< 0.75	NA	< 0.87	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	< 30	NA	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	< 9.5	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	< 7.7	NA	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	< 34	NA	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	5	NA	NA	NA	NA	NA	< 0.89	NA	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	NA	NA	NA	NA	NA	< 0.77	NA	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	NA	NA	NA	NA	NA	< 0.88	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	1	10	NA	NA	NA	NA	NA	< 5.9	NA	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	< 0.53	NA	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	5	NA	NA	NA	NA	NA	< 0.38	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	NA	NA	NA	NA	NA	< 0.62	NA	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	NA	NA	NA	NA	NA	< 3.0 U	NA	< 2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	NA	NA	NA	NA	NA	< 1.1	NA	< 0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	NA	NA	NA	NA	NA	< 1.1	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	140	700	NA	NA	NA	NA	NA	< 0.54	NA	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	NA	NA	NA	NA	NA	< 0.81	NA	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	< 0.57	NA	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	NA	NA	NA	NA	NA	< 1.4	NA	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	NA	NA	NA	NA	NA	< 1.4	NA	< 0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	100	NA	NA	NA	NA	NA	< 0.88	NA	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	NA	NA	NA	NA	NA	< 1.4	NA	< 0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	< 2.1	NA	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	NA	NA	NA	NA	NA	< 1.0	NA	< 0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	< 0.58	NA	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	NA	NA	NA	NA	NA	< 0.85	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	NA	NA	NA	NA	NA	< 1.3	NA	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	10	100	NA	NA	NA	NA	NA	< 0.65	NA	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	NA	NA	NA	NA	NA	< 1.2	NA	< 0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	NA	NA	NA	NA	NA	***420***	NA	***1140***	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	160	800	NA	NA	NA	NA	NA	< 0.53	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	NA	NA	NA	NA	NA	< 1.1	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	NA	NA	NA	NA	NA	< 0.62	NA	***2.9***	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	698	3490	NA	NA	NA	NA	NA	< 1.3	NA	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	NA	NA	NA	NA	NA	< 1.6	NA	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	NA	NA	NA	NA	NA	< 1.2	NA	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs																			
Aroclor-1016	0.003	0.03	NA	NA	NA	< 0.035	< 0.035	< 0.0072	< 0.0072	< 0.0072	< 0.035	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.035	< 0.0072	< 0.0072	< 0.0072
Aroclor-1232	0.003	0.03	NA	NA	NA	< 0.037	< 0.037	< 0.0042	< 0.0042	< 0.0042	< 0.037	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.037	< 0.0042	< 0.0042	< 0.0042
Aroclor-1242	0.003	0.03	NA	NA	NA	< 0.038	< 0.038	< 0.013	< 0.013	< 0.013	< 0.038	< 0.013	< 0.013	< 0.013	< 0.013	< 0.038	< 0.013	< 0.013	< 0.013
Aroclor-1248	0.003	0.03	NA	NA	NA	< 0.02	< 0.020	< 0.011	< 0.011	< 0.011	< 0.020	< 0.011	< 0.011	< 0.011	< 0.011	< 0.020	< 0.011	< 0.011	< 0.011
Total Detected PCBs	0.003	0.03	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved PCBs																			
Aroclor-1016	0.003	0.03	< 0.068	< 0.064	< 0.062	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	< 0.20	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	< 0.20	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	< 0.20	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																			
Total Dissolved Solids (mg/L)	NE	NE	NA	NA	NA	1530	1370	1570	1310	1180	618	740	762	720	672	976	746	780	626
Total Suspended Solids (TSS) (mg/L)	NE	NE	NA	NA	NA	< 0.95	< 0.95	< 1.4	1.4 J	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	2.0	< 1.4	< 0.95	< 0.95

Notes on Page 56.

Table 16: Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

Footnotes:
1 - Indicates that the sample was quenched prior to analysis.
2 - Indicates that the sample was not quenched prior to analysis.
3 - Indicates the result of a field duplicate.

Updated By: P. Popp 12/5/2019
Checked By: L. Auner 12/5/2019

General Notes:
All concentrations noted in this table are reported in micrograms per liter (µg/L) unless otherwise noted.
Analytes shown in the table are from VOC and PCB analyte lists. Only analytes that were detected in at least one sample are shown in the table. A complete list of constituents analyzed are included in the laboratory analytical reports.

100 = NR 140 Wis. Adm. Code Preventive Action Limit Exceedance
100 = NR 140 Wis. Adm. Code Enforcement Standard Exceedance
< = Constituent not detected above noted laboratory method detection limit.
* = Data is suspect and not used in evaluation. (Note from historical data through 2015, provided by Arcadis)
B = Compound was found in the blank and sample.
bgs = Below Ground Surface.
cn = Laboratory Contaminant.
E = Estimated concentration, exceeds instrumental calibration range.
ID = Identification.
J = Estimated concentration above the adjusted method detection limit and below the reporting limit or because of non-compliant laboratory quality check.
J- = Results may be biased low because of non-compliant laboratory quality check.
J+ = Results may be biased high because of non-compliant laboratory quality check.
U = Results determined to be non-detect at the concentration limit because of blank contamination.
NA = Not Analyzed.
ND = Not Detected.
NE = Not Established.
PCBs = Polychlorinated biphenyls.
VOCs = Volatile Organic Compounds.

Appendix F: Soil Gas Analytical Report

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8/2/2019
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC Soil Gas
Project #: 323372
Workorder #: 1907468

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 7/22/2019 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1907468

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Corporation (RMT) 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	132942
FAX:	608-826-3941	**PROJECT #**	323372 MKC Soil Gas
DATE RECEIVED:	07/22/2019	**CONTACT:**	Ausha Scott
DATE COMPLETED:	08/01/2019		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-102	TO-15	4.5 "Hg	5 psi
02A	VP-126	TO-15	5.7 "Hg	5.3 psi
03A	VP-1S	TO-15	6.3 "Hg	5.1 psi
04A	VP-210	TO-15	6.1 "Hg	5.6 psi
05A	VP-6	TO-15	6.1 "Hg	5 psi
06A	VP-237	TO-15	5.5 "Hg	4.9 psi
07A	DUP-01	TO-15	3.5 "Hg	5.1 psi
08A	Lab Blank	TO-15	NA	NA
09A	CCV	TO-15	NA	NA
10A	LCS	TO-15	NA	NA
10AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 08/01/19

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1907468

Seven 6 Liter Summa Canister samples were received on July 22, 2019. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples VP-102 and DUP-01 due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: VP-102

Lab ID#: 1907468-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	5.2	88	28	480
Tetrachloroethene	5.2	1100	36	7700

Client Sample ID: VP-126

Lab ID#: 1907468-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.84	11	5.7	75

Client Sample ID: VP-1S

Lab ID#: 1907468-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.85	1.1	3.4	4.2
Trichloroethene	0.85	4.7	4.6	25
Tetrachloroethene	0.85	130	5.8	900

Client Sample ID: VP-210

Lab ID#: 1907468-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.86	7.9	5.9	54

Client Sample ID: VP-6

Lab ID#: 1907468-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.84	5.4	4.5	29
Tetrachloroethene	0.84	220	5.7	1500

Client Sample ID: VP-237

Lab ID#: 1907468-06A

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: VP-237

Lab ID#: 1907468-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.82	38	5.5	260

Client Sample ID: DUP-01

Lab ID#: 1907468-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	5.1	89	27	480
Tetrachloroethene	5.1	1100	34	7800

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Client Sample ID: VP-102

Lab ID#: 1907468-01A

EPA METHOD TO-15 GC/MS

File Name:	**j072426**	**Date of Collection: 7/16/19 10:05:00 AM**	
Dil. Factor:	**10.5**	**Date of Analysis: 7/25/19 01:33 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.2	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	5.2	Not Detected	21	Not Detected
Trichloroethene	5.2	88	28	480
Tetrachloroethene	5.2	1100	36	7700
trans-1,2-Dichloroethene	5.2	Not Detected	21	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	88	70-130

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Client Sample ID: VP-126

Lab ID#: 1907468-02A

EPA METHOD TO-15 GC/MS

File Name:	**j072420**	**Date of Collection:**	**7/16/19 11:44:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**7/24/19 10:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
Tetrachloroethene	0.84	11	5.7	75
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: VP-1S

Lab ID#: 1907468-03A

EPA METHOD TO-15 GC/MS

File Name:	**j072421**	**Date of Collection: 7/16/19 1:24:00 PM**	
Dil. Factor:	**1.70**	**Date of Analysis: 7/24/19 11:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.85	Not Detected	2.2	Not Detected
cis-1,2-Dichloroethene	0.85	1.1	3.4	4.2
Trichloroethene	0.85	4.7	4.6	25
Tetrachloroethene	0.85	130	5.8	900
trans-1,2-Dichloroethene	0.85	Not Detected	3.4	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: VP-210

Lab ID#: 1907468-04A

EPA METHOD TO-15 GC/MS

File Name:	**j072422**	**Date of Collection: 7/16/19 4:16:00 PM**	
Dil. Factor:	**1.73**	**Date of Analysis: 7/24/19 11:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
Tetrachloroethene	0.86	7.9	5.9	54
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: VP-6

Lab ID#: 1907468-05A

EPA METHOD TO-15 GC/MS

File Name:	**j072423**	**Date of Collection:**	**7/17/19 10:34:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**7/25/19 12:13 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Trichloroethene	0.84	5.4	4.5	29
Tetrachloroethene	0.84	220	5.7	1500
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: VP-237

Lab ID#: 1907468-06A

EPA METHOD TO-15 GC/MS

File Name:	**j072424**	**Date of Collection: 7/17/19 12:27:00 PM**	
Dil. Factor:	**1.63**	**Date of Analysis: 7/25/19 12:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
Tetrachloroethene	0.82	38	5.5	260
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: DUP-01

Lab ID#: 1907468-07A

EPA METHOD TO-15 GC/MS

File Name:	**j072425**	**Date of Collection: 7/16/19**	
Dil. Factor:	**10.2**	**Date of Analysis: 7/25/19 01:06 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.1	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	5.1	Not Detected	20	Not Detected
Trichloroethene	5.1	89	27	480
Tetrachloroethene	5.1	1100	34	7800
trans-1,2-Dichloroethene	5.1	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	86	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1907468-08A

EPA METHOD TO-15 GC/MS

File Name:	**j072407c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/19 12:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: CCV

Lab ID#: 1907468-09A

EPA METHOD TO-15 GC/MS

File Name:	**j072402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/19 09:12 AM**	

Compound	%Recovery
Vinyl Chloride	86
cis-1,2-Dichloroethene	89
Trichloroethene	89
Tetrachloroethene	99
trans-1,2-Dichloroethene	86

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCS

Lab ID#: 1907468-10A

EPA METHOD TO-15 GC/MS

File Name:	**j072403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/19 09:37 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	91	70-130
cis-1,2-Dichloroethene	102	70-130
Trichloroethene	92	70-130
Tetrachloroethene	104	70-130
trans-1,2-Dichloroethene	79	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 1907468-10AA

EPA METHOD TO-15 GC/MS

File Name:	**j072404**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/19 10:02 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	89	70-130
cis-1,2-Dichloroethene	99	70-130
Trichloroethene	93	70-130
Tetrachloroethene	102	70-130
trans-1,2-Dichloroethene	77	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 1907468

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Phone (800) 985-5955; Fax (916) 351-8279

page 1 of 1

Client: TRC PO# 132942
Project Name: MKC Soil Gas
Project Manager: Ausha Scott Project # 323372
Sampler: Ben Wachholz + Lydia Avner
Site Name: MKC

Special Instructions/Notes:
Send results to Andrew Stehn astehn@trccompanies.com 608-826-3665
Analyze using method TO-15 for PCE, TCE, VC, cis-1,2 DCE, + trans-1,2 DCE

Turnaround Time (Rush surcharges may apply)
Standard X Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses				
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-15 (see notes)				
01A	VP-102	6L0795	23490	7/16/19	9:25	7/16/19	10:05	-29	-6			X				
02A	VP-126	6L1137	23187	7/16/19	11:04	7/16/19	11:44	-27	-5			X				
03A	VP-15	6L1920	23825	7/16/19	12:34	7/16/19	13:24	-26	-6			X				
04A	VP-210	6L0706	24313	7/16/19	15:40	7/16/19	16:16	-25	-5			X				
05A	VP-6	6L0712	23271	7/17/19	9:59	7/17/19	10:34	-26.5	-6			X				
06A	VP-237	6L1916	23432	7/17/19	11:52	7/17/19	12:27	-25.5	-5			X				
07A	DUP-01	6L0442	24206	7/16/19	-	7/16/19	-	-28	-4.5			X				
	unused canisters ↓	6L1659	23684													
		6L1005	24328													
		6L1688	23494													

	Date	Time		Date	Time
Relinquished by: (Signature/Affiliation) Ben Wachholz	7/18/19	10:30	Received by: (Signature/Affiliation)	7/22/19	0955
Relinquished by: (Signature/Affiliation)			Received by: (Signature/Affiliation)		
Relinquished by: (Signature/Affiliation)			Received by: (Signature/Affiliation)		

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? | Yes | No | None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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10/24/2019
Mr. Andrew Stehn
TRC Corporation (RMT)
708 Heartland Trail
Suite 3000
Madison WI 53717

Project Name: MKC Soil Gas
Project #: 323372 Ph. 4
Workorder #: 1910368

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 10/11/2019 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1910368

Work Order Summary

CLIENT:	Mr. Andrew Stehn TRC Companies, Inc. 708 Heartland Trail Suite 3000 Madison, WI 53717	**BILL TO:**	Accounts Payable/Windsor TRC Companies, Inc. 21 Griffin Rd North Windsor, CT 06095
PHONE:	608-826-3665	**P.O. #**	117373
FAX:	608-826-3941	**PROJECT #**	323372 Ph. 4 MKC Soil Gas
DATE RECEIVED:	10/11/2019	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/24/2019		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-102	TO-15	6.5 "Hg	5 psi
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 10/24/19

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209218, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-18-13, UT NELAP – CA009332019-11, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-011, Effective date: 10/18/2019, Expiration date: 10/17/2020.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
TRC Corporation (RMT)
Workorder# 1910368

One 6 Liter Summa Canister sample was received on October 11, 2019. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample VP-102 due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: VP-102

Lab ID#: 1910368-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	3.4	74	18	400
Tetrachloroethene	3.4	890	23	6000

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Client Sample ID: VP-102

Lab ID#: 1910368-01A

EPA METHOD TO-15 GC/MS

File Name:	**17102118**	**Date of Collection:**	**10/8/19 12:34:00 PM**
Dil. Factor:	**6.84**	**Date of Analysis:**	**10/21/19 10:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.7	Not Detected
cis-1,2-Dichloroethene	3.4	Not Detected	14	Not Detected
Trichloroethene	3.4	74	18	400
Tetrachloroethene	3.4	890	23	6000
trans-1,2-Dichloroethene	3.4	Not Detected	14	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1910368-02A

EPA METHOD TO-15 GC/MS

File Name:	**17102106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/19 12:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 1910368-03A

EPA METHOD TO-15 GC/MS

File Name:	**17102102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/19 09:39 AM**	

Compound	%Recovery
Vinyl Chloride	100
cis-1,2-Dichloroethene	102
Trichloroethene	96
Tetrachloroethene	96
trans-1,2-Dichloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: LCS

Lab ID#: 1910368-04A

EPA METHOD TO-15 GC/MS

File Name:	**17102103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/19 10:19 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	96	70-130
cis-1,2-Dichloroethene	90	70-130
Trichloroethene	91	70-130
Tetrachloroethene	90	70-130
trans-1,2-Dichloroethene	100	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCSD

Lab ID#: 1910368-04AA

EPA METHOD TO-15 GC/MS

File Name:	**17102104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/21/19 10:45 AM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	90	70-130
cis-1,2-Dichloroethene	87	70-130
Trichloroethene	91	70-130
Tetrachloroethene	89	70-130
trans-1,2-Dichloroethene	95	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 1910368

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

page--of--- 1 of 1

Client: TRC / MKC
Project Name: MKC Soil Gas
Project Manager: ANDREW STEHN Project # 323372 ~~Pt. 2 TSK 4~~
Sampler: ANDREW STEHN astehn@trccompanies.com
Site Name: MKC

Special Instructions/Notes: Analyze for PCE, TCE, VC, 1,2-DCE, trans 1,2-DCE

Turnaround Time (Rush surcharges may apply)
Standard X Rush _____ (specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-15 see notes			
01A	VP-102	33940	23406	10/8/19	11:54	10/8/19	12:34	-26.5	-7						
	unused can	33771	23607												

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Andrew Stehn/TRC	10/8/19	16:00	FED EX	10/9/19	
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			[signature] FAZL	10/11/19	0948
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: FEDEX | Custody Seals Intact? | Yes | No | None

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Appendix G: Rain Garden Analytical Report

Pace Analytical®
ECCS Mobile Lab Services

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

November 27, 2019

Andrew Stehn
TRC Environmental Corporation, Inc.
708 Heartland Trail, Ste 3000
Madison, WI 53717

RE: MKC Raingarden - Madison, WI

Enclosed are revised analytical results for the samples received by the laboratory on 10/08/2019.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accr	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

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Revised Report

TRC Environmental Corporation, Inc.	Project: MKC Raingarden - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372.0000
Madison WI, 53717	Project Manager: Andrew Stehn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OUTFALL-W (100819)	A194107-01	Water	10/08/2019	10/08/2019
MH-1A (100819)	A194107-02	Other	10/08/2019	10/08/2019
OUTFALL (100819)	A194107-03	Other	10/08/2019	10/08/2019

CASE NARRATIVE

Sample Receipt Information:
3 samples were received on 10/08/2019. Samples were received on ice. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

Continuing Calibration Verification (CCV):
CCV indicates a potential high bias for PCB-1016 and PCB-1242 for sample A194107-01. Sample was less than the reporting limit for these analytes so no further action is required.

CCV indicates a potential high bias for PCB-1221, PCB-1232, PCB-1242 and PCB-1254 for samples A194107-01 and A194107-02. Samples were less than the reporting limit for these analytes so no further action is required.

REASON FOR REVISED REPORT

This report was revised to correct the result for total PCBs for samples A194107-02 and A194107-03. This report was also revised to remove HC qualifiers on PCB-1248 for samples A194107-02 and A194107-03 and to correct the CCV section of the case narrative comments. This report should replace "A194107 FINAL 11 26 2019 1348".

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Revised Report

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708 Heartland Trail, Ste 3000	Project Number: 323372.0000
Madison WI, 53717	Project Manager: Andrew Stehn

OUTFALL-W (100819)

A194107-01 (Water)

Date Sampled
10/08/2019 14:05

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Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A910298**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0072	0.13	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
PCB-1221	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
PCB-1232	ND	0.0042	0.13	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
PCB-1242	ND	0.013	0.13	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
PCB-1248	ND	0.011	0.13	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
PCB-1254	ND	0.010	0.13	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
PCB-1260	ND	0.012	0.13	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
Total PCBs	ND	0.026	0.25	ug/L	1	10/30/2019	11/17/2019 19:32	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*79.6 %*	*68.8-135*		*10/30/2019*	*11/17/2019 19:32*	*EPA 8082A*	
Surrogate: Decachlorobiphenyl			*90.0 %*	*82.2-139*		*10/30/2019*	*11/17/2019 19:32*	*EPA 8082A*	

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Madison WI, 53717	Project Manager: Andrew Stehn

MH-1A (100819)

A194107-02 (Other)

Date Sampled
10/08/2019 13:45

Pace Analytical - Madison

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A911138**			
PCB-1016	ND	0.0059	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	
PCB-1221	ND	0.0084	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	
PCB-1232	ND	0.0056	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	
PCB-1242	ND	0.012	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	
PCB-1248	**0.11**	0.011	0.13	mg/kg dry	1	11/19/2019	11/20/2019 20:58	EPA 8082A	J
PCB-1254	ND	0.0093	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	
PCB-1260	ND	0.0091	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	
Total PCBs	**0.11**	0.012	0.13	mg/kg dry	1	11/19/2019	11/19/2019 23:39	EPA 8082A	J
Surrogate: Tetrachloro-meta-xylene			*163 %*	*71.5-118*		*11/19/2019*	*11/19/2019 23:39*	*EPA 8082A*	*S*
Surrogate: Decachlorobiphenyl			*134 %*	*56.1-132*		*11/19/2019*	*11/20/2019 20:58*	*EPA 8082A*	*S*
Classical Chemistry Parameters						**Preparation Batch: A910228**			
% Solids	**78.3**		0.00	% by Weight	1	10/09/2019	10/10/2019 14:37	SM 2540B	

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Revised Report

TRC Environmental Corporation, Inc.	Project: MKC Raingarden - Madison, WI
708 Heartland Trail, Ste 3000	Project Number: 323372.0000
Madison WI, 53717	Project Manager: Andrew Stehn

OUTFALL (100819)

A194107-03 (Other)

Date Sampled
10/08/2019 14:15

Pace Analytical - Madison

Polychlorinated Biphenyls by EPA Method 8082 — **Preparation Batch: A911138**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
PCB-1016	ND	0.0059	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
PCB-1221	ND	0.0085	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
PCB-1232	ND	0.0057	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
PCB-1242	ND	0.012	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
PCB-1248	**0.33**	0.011	0.13	mg/kg dry	1	11/19/2019	11/20/2019 21:23	EPA 8082A	
PCB-1254	ND	0.0094	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
PCB-1260	ND	0.0091	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
Total PCBs	**0.33**	0.012	0.13	mg/kg dry	1	11/19/2019	11/20/2019 00:04	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			*160 %*	*71.5-118*		*11/19/2019*	*11/20/2019 00:04*	*EPA 8082A*	*S*
Surrogate: Decachlorobiphenyl			*148 %*	*56.1-132*		*11/19/2019*	*11/20/2019 00:04*	*EPA 8082A*	*S*

Classical Chemistry Parameters — **Preparation Batch: A910228**

% Solids	**77.6**		0.00	% by Weight	1	10/09/2019	10/10/2019 14:37	SM 2540B	

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Revised Report

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Madison WI, 53717	Project Manager: Andrew Stehn

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A910298 - EPA 3511										
Blank (A910298-BLK1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 18:42						
PCB-1016	ND	0.13	ug/L							
PCB-1221	ND	0.25	ug/L							
PCB-1232	ND	0.13	ug/L							
PCB-1242	ND	0.13	ug/L							
PCB-1248	ND	0.13	ug/L							
PCB-1254	ND	0.13	ug/L							
PCB-1260	ND	0.13	ug/L							
Total PCBs	ND	0.25	ug/L							
Surrogate: Tetrachloro-meta-xylene	*0.647*		*ug/L*	*0.7500*		*86.2*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.720*		*ug/L*	*0.7500*		*96.0*	*82.2-139*			
LCS (A910298-BS1)				Prepared: 10/30/2019 Analyzed: 11/17/2019 19:07						
PCB-1016	15.1	0.13	ug/L	12.50		121	69.9-149			
PCB-1260	14.5	0.13	ug/L	12.50		116	82.2-144			
Surrogate: Tetrachloro-meta-xylene	*0.727*		*ug/L*	*0.7500*		*96.9*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.823*		*ug/L*	*0.7500*		*110*	*82.2-139*			
Matrix Spike (A910298-MS1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 03:54						
PCB-1016	16.4	0.12	ug/L	12.47	ND	131	60-140			
PCB-1260	16.3	0.12	ug/L	12.47	ND	131	60-140			
Surrogate: Tetrachloro-meta-xylene	*0.782*		*ug/L*	*0.7481*		*105*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.870*		*ug/L*	*0.7481*		*116*	*82.2-139*			
Matrix Spike Dup (A910298-MSD1)	**Source: A194202-01**			Prepared: 10/30/2019 Analyzed: 11/18/2019 04:20						
PCB-1016	14.9	0.13	ug/L	12.50	ND	119	60-140	9.37	20	
PCB-1260	15.2	0.13	ug/L	12.50	ND	122	60-140	6.76	20	
Surrogate: Tetrachloro-meta-xylene	*0.710*		*ug/L*	*0.7500*		*94.7*	*68.8-135*			
Surrogate: Decachlorobiphenyl	*0.800*		*ug/L*	*0.7500*		*107*	*82.2-139*			

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Madison WI, 53717	Project Manager: Andrew Stehn

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A911138 - EPA 3570										
Blank (A911138-BLK1)				Prepared: 11/19/2019 Analyzed: 11/25/2019 23:38						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Tetrachloro-meta-xylene	*0.253*		*mg/kg wet*	*0.2400*		*106*	*71.5-118*			
Surrogate: Decachlorobiphenyl	*0.207*		*mg/kg wet*	*0.2400*		*86.4*	*56.1-132*			
LCS (A911138-BS1)				Prepared: 11/19/2019 Analyzed: 11/26/2019 00:03						
PCB-1016	2.07	0.10	mg/kg wet	2.000		104	77.4-117			
PCB-1260	1.79	0.10	mg/kg wet	2.000		89.5	82-111			
Surrogate: Tetrachloro-meta-xylene	*0.309*		*mg/kg wet*	*0.2400*		*129*	*71.5-118*			
Surrogate: Decachlorobiphenyl	*0.212*		*mg/kg wet*	*0.2400*		*88.3*	*56.1-132*			
Matrix Spike (A911138-MS1)	**Source: A194107-03**			Prepared: 11/19/2019 Analyzed: 11/26/2019 00:28						
PCB-1016	2.74	0.13	mg/kg dry	2.576	ND	106	60-140			
PCB-1260	2.32	0.13	mg/kg dry	2.576	ND	89.9	53.7-128			
Surrogate: Tetrachloro-meta-xylene	*0.336*		*mg/kg dry*	*0.3092*		*109*	*71.5-118*			
Surrogate: Decachlorobiphenyl	*0.279*		*mg/kg dry*	*0.3092*		*90.1*	*56.1-132*			
Matrix Spike Dup (A911138-MSD1)	**Source: A194107-03**			Prepared: 11/19/2019 Analyzed: 11/26/2019 00:53						
PCB-1016	2.72	0.13	mg/kg dry	2.576	ND	106	60-140	0.633	20	
PCB-1260	2.51	0.13	mg/kg dry	2.576	ND	97.3	53.7-128	7.92	20	
Surrogate: Tetrachloro-meta-xylene	*0.332*		*mg/kg dry*	*0.3092*		*108*	*71.5-118*			
Surrogate: Decachlorobiphenyl	*0.275*		*mg/kg dry*	*0.3092*		*89.0*	*56.1-132*			

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Madison WI, 53717	Project Manager: Andrew Stehn

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A910228 - % Solids										
Duplicate (A910228-DUP1)	**Source: A194103-01**		Prepared: 10/09/2019 Analyzed: 10/10/2019 14:37							
% Solids	77.9	0.00	% by Weight		78.1			0.200	20	

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Notes and Definitions

S	Surrogate recovery was outside of laboratory control limits.
J	Analyte was detected but is below the reporting limit. The concentration is estimated.
ND	Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

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CHAIN OF CUSTODY

No. 11739 Page: of:

136861

Lab Work Order #: A194107

Project Number: 323372.0000 ~~fh~~ PO Number: ~~Andy Stehn to email~~

Project Name: MKC RAIN GARDEN

Project Location (City, State): MADISON, WI

Turn Around (check one): ☒ Normal ☐ Rush

If Rush, Report Due Date:

Sampled By (Print): A. Stehn / L. Auner

Report To: ANDREW STEHN
Company: TRC
Address 1: 708 HEARTLAND TRAIL, SUITE 3000
Address 2: MADISON, WI 53717
E-mail Address: astehn@trccompanies.com

Invoice To: TRC
Company:
Address 1:
Address 2:

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	Preservation Codes / Analyses Requested: PCBs						Comments	Lab ID	Lab Receipt Time
					A								
OUTFALL - W (100819)	10/8/19	14:05	W	2	X							01	
MH - 1A (100819)	10/8/19	13:45	O	1	X							02	
OUTFALL (100819)	10/8/19	14:15	O	1	X							03	

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Other Comments:

Relinquished By: Lydia Aunn (TRC) Date: 10/8/19 Time: 15:05
Received By: [signature] Date: 10-08-19 Time: 1505

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

Custody Seal: ☒ NA ☐ Intact ☐ Not Intact
Shipped Via: Walk In
Receipt Temp: On ice
Thermometer #/ Exp. Date:
Temp Blank: ☐ Y ☐ N

Rev. 12/15

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