



# Operation, Monitoring, and Maintenance Annual Report

**January 1, 2024 – December 31, 2024**  
**Madison-Kipp Corporation**  
**Groundwater, Soil Vapor, and**  
**Treatment Systems**

March 2025

**Facility ID No. 113125320**  
**BRRTS Nos. 02-13-558625,**  
**02-13-578015, & 02-13-562649**

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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). In addition, this report includes documentation related to cap maintenance activities at the 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 with 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 along Marquette Street, Atwood Avenue to the south, and residences/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 Site on the east and west sides. Commercial properties are located to the south across Atwood Avenue.

The Site is located on the northeastern end of the Madison Isthmus, which is a 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. 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 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 SVE system has remained off since the 2018 and 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, 2019). Subsequent soil gas sampling was conducted in July and October of 2019 and a summary of the results was included in the January 1, 2019 – December 31, 2019 Madison-Kipp Corporation Groundwater, Soil Vapor, and Treatments Systems Report (TRC, 2020).



The Site's active remediation system is a Groundwater Extraction and Treatment System (GETS) designed to treat dissolved volatile organic compounds (VOCs), primarily PCE. The GETS start-up testing was completed from July 2015 through December 2015. The GETS has operated full-time since January 2016. The on-going operation, maintenance, and monitoring of the GETS are discussed in this report.

There is on-going monitoring for potential PCB-impacts to the rain garden located immediately north of the Site. The rain garden serves as a storm water retention area downstream of the Site. The on-going monitoring of the rain garden is discussed in this report.

Much of the building footprint and paved parking lots/driveways serves as a cap. Occasionally MKC conducts maintenance and/or makes improvements to the cap as a result of business operations. Maintenance conducted within the footprint of the cap is documented in this report.

### **1.3 Record Keeping and Reporting Requirements**

MKC completes cap maintenance inspections for their property at 201 Waubesa Street. All interior and exterior cap inspections are completed annually and documentation can be provided upon request.

As of December 31, 2024, 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 Summary of BRRS Sites**

This report includes updates on OM&M, monitoring, and cap maintenance activities for the following BRRS Sites, all located at the Site.

- 02-13-558625 Madison Kipp Corp – Open ERP site encompassing VOC contamination in groundwater
- 02-13-562649 Madison Kipp Rain Garden – Open ERP site encompassing PCB contamination on MKC-leased property north of the Site
- 02-13-578014 Madison Kipp PCB Beneath Mfg Bldg – Open ERP site encompassing PCB contamination in soil beneath the MKC manufacturing building
- 02-13-578015 Madison Kipp Soil Vapor Remediation – Open ERP site encompassing VOC contamination in soil gas/vapor

### **1.5 Purpose and Scope**

On-going OM&M activities are completed to monitor the status of groundwater conditions at the Site and to ensure the treatment systems are operating as designed and in compliance with regulatory standards. 2024 OM&M activities included: GETS operation and monthly Discharge Monitoring Reports (DMRs), semi-annual Site groundwater monitoring, semi-annual sediment and stormwater monitoring for the rain garden, and documentation of cap modifications completed at the facility. The purpose of this Annual Report is to provide documentation of OM&M activities performed during January 1 through December 31, 2024.

This Annual Report describes:

- GETS OM&M,
- SVE OM&M,
- Groundwater Monitoring,
- Site Soil Gas Monitoring,
- Rain Garden Sediment and Stormwater Monitoring,
- Facility Cap Maintenance Work, 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

The GETS operated in 2024 but the flow rate and operational periods varied due to maintenance issues as described below. The GETS system flow rate required periodic adjustment due to performance issues with transfer pump P-200 and potential fouling of process lines. A summary of system operation is summarized in Table 1. The GETS system was occasionally shut down for routine maintenance and to conduct repairs as needed. During this reporting period the following GETS repairs and maintenance tasks were completed:

- Throughout 2024, performance issues (high system pressure) with transfer pump P-200 were observed.
- In January, August, October, and November 2024, multiple air stripper high level alarms shut down the GETS for short periods of time due to operational performance issues with transfer pump P-200. The GETS flow rate was adjusted from 38 GPM to 26 GPM over the course of the year to allow for continuous system operation while further system evaluation could be completed.
- The air stripper was shut down for cleaning in February, May, August, and November.

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

A total of approximately 15,865,247 gallons of groundwater were treated between January 1, 2024 and December 31, 2024. During the 2024 calendar year, approximately 152 pounds of VOCs were removed. From the start of the system operation through the end of December 2024, approximately 2,080 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 2024 performance monitoring and permit compliance, TRC on behalf of MKC collected samples of the extracted groundwater when possible (GETS influent) and treated groundwater (GETS effluent) on a quarterly basis. Table 2 provides the influent and effluent laboratory analytical results for the 2024 reporting period. The 2024 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 (neutralization chemical addition was eliminated in March 2021, but visual monitoring is still conducted); quarterly monitoring of select volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs); and monitoring of total suspended solids after system cleaning events.

The DMRs for January through December 2024 were submitted electronically to the WDNR through the Web Access Management System Switchboard. Laboratory analytical reports for samples collected between January and June 2024 were included in the Operations, Monitoring, and Maintenance Semi-Annual Report for the period January 1, 2024 – June 30, 2024 Submittal (TRC, 2024b). A copy of the last submittal from the December 2024 monitoring event and laboratory reports for samples collected between July and December 2024 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 VOCs. The GAC influent gas and GAC effluent gas are sampled semi-annually for performance and compliance monitoring. The 2024 results are representative of gases from the GETS only as the SVE system was shut down in October 2018. GAC influent and effluent gas results are included in Table 3 and the laboratory analytical reports for 2024 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. Table 4 includes a summary of the emission rates for total VOCs for the 2024 calendar year.

TRC continues to assess the influent and effluent concentrations of VOCs to evaluate the GAC component of the treatment system. The 2024 evaluation concluded that the activated carbon is continues to approach 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 can be provided upon request.

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### 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 long term operation in May 2013 and continued operation through October 2018. On October 25, 2018, the SVE system was shut down, as approved by the WDNR, to review its continued effectiveness at contaminant mass reduction for 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, 2019). Subsequent soil gas sampling was conducted in July and October of 2019 and a summary of the results was included in the January 1, 2019 – December 31, 2019 Madison-Kipp Corporation Groundwater, Soil Vapor, and Treatments Systems Report (TRC, 2020). The SVE system remained off during the 2024 calendar year.

## 4.0 Groundwater Monitoring

The 2024 groundwater monitoring program at the Site, which included water level gauging and sampling, was conducted as summarized in Table 5.

The Site includes 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 sandstone bedrock of the Lone Rock and Wonewoc Formations. The Wonewoc sandstone is underlain by siltstone of the Eau Claire Formation, which serves as a regional aquitard. 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 21, 2024. The groundwater elevations are summarized in Table 6, and the October 2024 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 2024 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 converging toward the north end of the site (Figure 4) and may be influenced by pumping from the extraction well (GWE-1). The extraction well 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 laboratory 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 2024 sampling events is included in Table 5.

In addition, two of the site wells were monitored for polychlorinated biphenyls (PCBs), total suspended solids (TSS), total dissolved solids (TDS), and geochemical field parameters in April 2024. Selected wells were based on the November 22, 2017, Stipulation and Order for Judgement with the Wisconsin Department of Justice, coordination with the United States Environmental Protection Agency, the Conditional Approval of Groundwater Monitoring Plan for PCBs dated January 6, 2023 from WDNR, and correspondence on behalf of MKC to the Wisconsin Department of Justice dated April 12, 2023. Consistent with the 2023 revisions, the PCB sampling program will be reviewed again after the April 2027 sampling event. The wells sampled for PCBs are located in the Upper Lone Rock unit/formation and a summary of wells sampled for PCBs is included in Table 5.

### 4.3 Site Groundwater Monitoring

The results from the 2024 groundwater sampling events are included in Table 7, and the laboratory analytical reports for the April and October 2024 monitoring events are included in Appendix E. A historical summary table containing groundwater analytical results to date is also included in Appendix E.

Multiple NR 140 preventative action limit (PAL) and enforcement standard (ES) exceedances for VOCs were reported for the April and October 2024 sampling events. The overall concentration of PCE over time was reviewed for each Site well sampled during 2024, and a brief description for each unit/formation is included in Section 4.4 below. As required of the WDNR Remediation Site Operation Maintenance, Monitoring & Optimization Report Form 4400-194, Appendix A includes a trend plot (A.3) showing PCE concentrations over time for monitoring well MW-5D2 which contained the highest concentration of PCE during the October 2024 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 2024 monitoring event.

Figure 13 includes two cross-sections (A-A' and B-B') displaying the vertical PCE concentration extents based on the October 2024 groundwater monitoring. Figure 2 shows the location of the wells and the cross-sections.

The one monitoring well sampled for PCBs in April 2024 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 most of 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 most of the vertical extent of the groundwater plume.

Although pumping test data suggest the plume is mostly captured by pumping, 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/or the difference in pumping rate between the pumping test (45 gpm) and current GETS operation (between 26 and 38 gpm - see Section 2.1). Nevertheless, based on the 2024 monitoring, 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 2024.

#### **4.4.1 Unconsolidated**

Four wells within the unconsolidated unit were sampled in October 2024 (MW-1, MW-3S, MW-6S, and MW-28). PCE concentration trends for these wells are generally inconsistent. PCE concentrations at MW-1 are variable with a recent increasing trend, exceeding the ES in the last six events. PCE concentrations at MW-3S are variable with no distinct trend. MW-6S has remained consistently below the ES for PCE and PCE has not been detected at MW-6S since 2018. MW-28 has consistently been above the ES for PCE with no distinct trend. 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 screened within the Upper Lone Rock unit. Six of these wells were sampled in October 2024. MW-4D, MW-24, and MW-29D were not sampled. PCE concentrations at MW-6D and MW-9D within this unit were generally below the PAL. PCE concentrations at MW-2D and MW-5S were below the PAL. PCE concentrations at MW-3D and MP-13 Port 7 were above the ES. MW-3D and MP-13 Port 7 have consistently had detections above the ES with no distinct trends. Concentrations at MW-3D vary in the range of 280 to 807 ug/L over the past five years and concentrations at MP-13 Port 7 vary in the range of 65.9 to 194 ug/L over the past five years.

#### **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 2024. Generally, the Lower Lone Rock wells currently exceed the ES for PCE, except for well MW-4D2, where PCE was not detected in 2024 and the ES for PCE has never been exceeded. PCE concentrations at wells within this unit were generally stable or decreasing. PCE concentrations at MP-13 Ports 5 and 6 have decreased significantly since 2015. PCE concentrations at MP-13



Port 6 have a decreasing trend. PCE concentrations at MW-5D are highly variable and PCE concentrations at MW-9D2 have decreased since the October 2023 sampling event. MP-14 Port 4 and MP-16 Port 4 were both last sampled in October 2014, with PCE concentrations below the PAL. MW-19D, MW-20D, and MW-21D were last sampled in October 2014 and had 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 2024. PCE concentrations at wells within this unit were generally stable or decreasing. The PCE concentration at MW-27D has a decreasing trend, with the last two years being below the ES and above the PAL. PCE concentrations at MP-16 Port 2 are stable over the past five years. PCE concentrations at MW-25D had been reported below the PAL, if above the laboratory method detection limit (MDL), since 2016 until the October 2024 result exceeded the PAL (as a “J” flagged result between the MDL and the laboratory reporting limit). MW-25D has had no exceedances of the ES. PCE concentrations at MW-25D2 are generally reported below the MDL and reported detections above the MDL have not exceeded the ES.

#### **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 2024. PCE concentrations at wells within this unit were generally stable or decreasing, with several wells below the ES (MW-3D3, MW-5D3, MP-15 Port 1, and MP-16 Port 1). MP-13 Port 1 has been historically variable, but remains stable in the last three sampling events. MP-15 Port 2 has remained stable since 2020. PCE concentrations at MP-14 Port 1 are showing a decreasing trend since the sampling event in October 2021 trend. The PCE concentration at MW-5D2 and MW-17 also have increasing trends while MW-27D2 is generally stable.

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## 5.0 Soil Gas Monitoring

Following shutdown of the SVE system, soil gas monitoring was completed in 2018 and 2019. 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, 2019). Subsequent soil gas sampling was conducted in July and October of 2019 and a summary of the results was included in the January 1, 2019 – December 31, 2019 Madison-Kipp Corporation Groundwater, Soil Vapor, and Treatments Systems Report (TRC, 2020).

Figure 14 depicts the location of the soil gas sample points.

There is no on-going monitoring program for soil gas. Based on the 2019 soil gas monitoring events, TRC, on behalf of MKC, proposes to continue to keep the SVE system off. TRC, MKC, and the WDNR have discussed the SVE system several times since 2019, as recently as August 2021. WDNR planned to review the Site internally and provide follow-up on next steps required for closure of BRRTS No. 02-13-578015.

## 6.0 Rain Garden Sediment Monitoring

TRC completed the 2024 semi-annual rounds of sediment sampling as recommended in the December 4, 2018, Rain Garden – 2018 Sediment Monitoring (BRRTS #02-13-562649) letter. Sediment samples were collected from manhole MH-1A and from the Outfall into the rain garden on May 8, 2024 and November 1, 2024 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, water samples were collected from the outfall area on May 8, 2024 and November 1, 2024 and analyzed for PCBs as well. The location of manhole MH-1A and the Outfall are shown on Figure 15. Table 8 includes a summary of the sediment samples collected through 2024, Table 9 includes a summary of the water samples collected through 2024, and Appendix F includes the laboratory analytical reports for the sediment and water samples collected in 2024.

- 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.
- Consistent with previous semi-annual sampling events, no PCBs analyzed were detected above the laboratory method detection limits for the water samples collected from the outfall point. The analytical laboratory reports are included in Appendix F.

## 7.0 Facility Cap Maintenance Work

MKC periodically completes pavement improvement work for facility operations. The majority of the pavement surfaces at the Site function as a cap.

During the 2024 calendar year, there were two repairs to the facility cap completed as described below.

### 7.1 Facility Floor Improvements

MKC conducts facility maintenance and makes improvements to their facility interior periodically as a result of business operations. As part of the improvements, sections of the facility floor are repaired and/or replaced. In February 2024, MKC notified TRC of planned facility improvements within their 201 Waubesa Street facility. A notification letter was submitted to the United States Environmental Protection Agency (USEPA) and WDNR on February 23, 2024 (TRC, 2024a), summarizing proposed facility floor improvements that MKC planned to complete. The letter provided details on the areas requiring improvement and discussed waste characterization, material management, and material disposal. Prior to the removal and concrete repair, TRC, on behalf of MKC, conducted waste characterization sampling of the concrete floor as outlined in the February 2024 notification letter. Samples were analyzed for PCBs and Resource Conservation and Recovery Act (RCRA) 8 metals, and results were provided to EPA and WDNR on March 20, 2024.

On March 28, 2024, MKC commenced the facility improvement work, and removed and replaced the concrete within one of three proposed areas (Area 2024-3). The amount of material removed was approximately 4.6 cubic yards. As completed historically for facility improvement work and based on the presence of PCBs in waste characterization samples, the concrete was intended to be disposed of at a WDNR-licensed disposal facility approved to accept the PCB impacted concrete. However, MKC inadvertently had the concrete hauled to an alternative disposal facility in Deforest, WI which recycles concrete material. TRC contacted the WDNR and USEPA on April 5, 2024, to discuss the inadvertent hauling of concrete to the recycling facility.

Afterward, MKC and TRC provided detailed information to USEPA and WDNR, and several additional conference calls were held to discuss potential options for final disposal of the MKC concrete. Following discussions, a Concrete Segregation and Removal Plan (Plan) was submitted to the WDNR and USEPA on September 13, 2024, and USEPA provided approval of the Plan on October 1, 2024 (TRC, 2024c).

Consistent with the approved Plan, the concrete material was segregated and removed from the onsite stockpile at the concrete recycling facility and placed in roll-off containers on October 8, 2024. Waste characterization samples were collected from each roll-off container and analyzed for PCBs and Toxicity Characteristic Leaching Procedure (TCLP) metals. Following waste profile approval from the receiving WDNR-licensed disposal facility, eight roll-off containers were removed from the recycling facility and transported to GFL's Glacier Ridge landfill in Horicon, WI between October 29, and November 4, 2024, for final disposal. The total tonnage of concrete, including the concrete from MKC's facility, removed and disposed of was 113.08 tons. Details regarding the concrete segregation and removal process are further outlined in the Concrete Segregation and Removal Documentation Report (TRC, 2024d), submitted on November 12, 2024.

## **7.2 Parking Lot Patch**

On the northern parking lot, an area of approximately 25 square feet was identified as requiring repair in the annual Cap Inspection conducted by MKC. On July 5, 2024, MKC's contractor saw cut the area, of approximately six feet by six feet, removed the old asphalt and paved the area with 4-inch thick new hot mix asphalt. This repair ensures the integrity of the cap in this area and will continue to be inspected annually.

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## 8.0 Conclusions and Recommendations

### 8.1 Remedial System Operation

The OM&M activities for the SVE and GETS were completed as required at the Site during the 2024 calendar year. System operation data and details for the first part of the year (January to June 2024) were included in the Operations, Monitoring, and Maintenance Semi-annual Report – January 1, 2024 – June 30, 2024 Groundwater and Soil Vapor Extraction Treatment Systems Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin (TRC, 2024b). The GETS required some adjustments but primarily operated continuously throughout this reporting period, with the exception of shutdowns due to repair work and routine maintenance as noted. The SVE system remained shut down during the 2024 calendar year as noted.

### 8.2 Site Groundwater Monitoring

Site groundwater monitoring was completed in April and October 2024. PCBs were not detected in the PCB groundwater sample collected. 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 mostly 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 groundwater monitoring events are completed, further data and concentration versus time analyses will be completed to continue to evaluate the effectiveness of the GETS. As of December 2024, the GETS has been in operation for approximately nine years. Based on the 2015 constant rate pump test, 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.

### 8.3 Rain Garden Sediment Monitoring

Sediment results from both semi-annual monitoring events completed in 2024 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 the rain garden.

## 8.4 Recommendations

Based on the results of the 2024 OM&M, no immediate actions are required, and OM&M is planned to continue in 2025. Work planned for 2025 includes the following:

- GETS operation, including performance evaluation and modifications as needed;
- SVE system will remain shut down;
- Compliance monitoring;
- Groundwater monitoring (as outlined in Table 10);
- Rain garden semi-annual sediment and stormwater monitoring;
- Facility cap maintenance; and
- Semi-annual reporting.



## 9.0 References

- Arcadis U.S., Inc. 2015a. 2014 Annual Report, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. March 2015.
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- Arcadis U.S., Inc. 2016. 2015 Annual Report, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. April 12, 2016.
- TRC Environmental Corporation. 2019. Update on Soil Vapor Extraction System Shut Down and Soil Gas Analytical Results, Madison-Kipp Corporation, Madison, Wisconsin. February 9, 2019.
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- TRC Environmental Corporation. 2024a. Interior Manufacturing Floor Modifications, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin, February 23, 2024.
- TRC Environmental Corporation. 2024b. Operations, Monitoring, and Maintenance Semi -annual Report - January 1, 2024 - June 30, 2024, Groundwater and Soil Vapor Extraction Treatment Systems & Rain Garden. Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. August 21, 2024
- TRC Environmental Corporation. 2024c. Concrete Segregation and Removal Plan, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. October 3, 2024.
- TRC Environmental Corporation. 2024d. Concrete Segregation and Removal Documentation Report. Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. November 12, 2024.

Table 1: Summary of Groundwater Extraction System Operation and Mass Removal - January to December 2024  
Madison Kipp Corporation  
201 Waubesa Street  
Madison, Wisconsin

| Date       | Groundwater Discharged This Period (gal) | Cumulative Groundwater Discharged (gal) <sup>(1)</sup> | Average Discharge Flow Rate <sup>(2),(5)</sup> (gpd) | Average Discharge Flow Rate <sup>(2),(5),(6)</sup> (gpm) | Influent Sample Results <sup>(3)</sup> | Effluent Sample Results <sup>(3)</sup> | Cumulative VOCs Removed <sup>(1),(4)</sup> (pounds) | Comments                                                                                                            |
|------------|------------------------------------------|--------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|            |                                          |                                                        |                                                      |                                                          | VOCs (µg/L)                            | VOCs (µg/L)                            |                                                     |                                                                                                                     |
| 1/4/2024   | 384,537                                  | 151,923,988                                            | 54,674                                               | 38                                                       | NS                                     | NS                                     | 1940                                                |                                                                                                                     |
| 1/10/2024  | 294,554                                  | 152,218,542                                            | 49,263                                               | 34                                                       | NS                                     | NS                                     | 1940                                                | GETS was shutdown for short period of time due to high level at LIT-201, then restarted at 36 GPM at 16:47          |
| 1/18/2024  | 413,288                                  | 152,631,830                                            | 51,823                                               | 36                                                       | NS                                     | NS                                     | 1940                                                |                                                                                                                     |
| 1/26/2024  | 406,741                                  | 153,038,571                                            | 51,819                                               | 36                                                       | NS                                     | NS                                     | 1950                                                |                                                                                                                     |
| 2/1/2024   | 304,269                                  | 153,342,840                                            | 51,797                                               | 36                                                       | 1240.48                                | 4.9                                    | 1950                                                |                                                                                                                     |
| 2/8/2024   | 376,331                                  | 153,719,171                                            | 51,799                                               | 36                                                       | NS                                     | NS                                     | 1960                                                |                                                                                                                     |
| 2/14/2024  | 293,735                                  | 154,012,906                                            | 51,798                                               | 36                                                       | NS                                     | NS                                     | 1960                                                |                                                                                                                     |
| 2/20/2024  | 312,717                                  | 154,325,623                                            | 51,802                                               | 36                                                       | NS                                     | NS                                     | 1960                                                | GETS was shutdown for short period of time to clean air stripper. Restarted at 35 GPM at 1457                       |
| 2/28/2024  | 396,186                                  | 154,721,809                                            | 49,691                                               | 35                                                       | NS                                     | NS                                     | 1970                                                |                                                                                                                     |
| 3/8/2024   | 462,921                                  | 155,184,730                                            | 50,352                                               | 35                                                       | NS                                     | NS                                     | 1970                                                |                                                                                                                     |
| 3/15/2024  | 350,615                                  | 155,535,345                                            | 50,043                                               | 35                                                       | NS                                     | NS                                     | 1970                                                |                                                                                                                     |
| 3/22/2024  | 352,837                                  | 155,888,182                                            | 50,350                                               | 35                                                       | NS                                     | NS                                     | 1980                                                |                                                                                                                     |
| 3/27/2024  | 250,436                                  | 156,138,618                                            | 50,353                                               | 35                                                       | NS                                     | NS                                     | 1980                                                |                                                                                                                     |
| 4/5/2024   | 452,668                                  | 156,591,286                                            | 50,289                                               | 35                                                       | NS                                     | NS                                     | 1990                                                | GETS shutdown for a short period of time to reset HMI screen. The GETS was restarted at 35 at 1223                  |
| 4/9/2024   | 207,732                                  | 156,799,018                                            | 50,334                                               | 35                                                       | 1211.3                                 | 3.89                                   | 1990                                                | GETS adjusted to 34 GPM due to high P-200 Hz                                                                        |
| 4/19/2024  | 484,469                                  | 157,283,487                                            | 48,888                                               | 34                                                       | NS                                     | NS                                     | 1990                                                |                                                                                                                     |
| 4/24/2024  | 247,719                                  | 157,531,206                                            | 48,905                                               | 34                                                       | NS                                     | NS                                     | 2000                                                |                                                                                                                     |
| 5/1/2024   | 349,147                                  | 157,880,353                                            | 48,889                                               | 34                                                       | NS                                     | NS                                     | 2000                                                | GETS adjusted to 33 GPM due to high P-200 Hz                                                                        |
| 5/8/2024   | 323,726                                  | 158,204,079                                            | 47,432                                               | 33                                                       | NS                                     | NS                                     | 2000                                                |                                                                                                                     |
| 5/17/2024  | 414,286                                  | 158,618,365                                            | 47,434                                               | 33                                                       | NS                                     | NS                                     | 2010                                                |                                                                                                                     |
| 5/28/2024  | 44,169                                   | 158,662,534                                            | 3,955                                                | 3                                                        | NS                                     | NS                                     | 2010                                                | GETS was shutdown for a short period of time due to power outage, air stripper cleaned and GETS restarted at 36 GPM |
| 6/4/2024   | 278,443                                  | 158,940,977                                            | 39,948                                               | 28                                                       | NS                                     | NS                                     | 2010                                                |                                                                                                                     |
| 6/13/2024  | 427,494                                  | 159,368,471                                            | 47,433                                               | 33                                                       | NS                                     | NS                                     | 2010                                                |                                                                                                                     |
| 6/18/2024  | 235,623                                  | 159,604,094                                            | 47,414                                               | 33                                                       | NS                                     | NS                                     | 2020                                                |                                                                                                                     |
| 6/27/2024  | 425,119                                  | 160,029,213                                            | 47,411                                               | 33                                                       | NS                                     | NS                                     | 2020                                                |                                                                                                                     |
| 7/5/2024   | 352,043                                  | 160,381,256                                            | 43,122                                               | 30                                                       | NS                                     | NS                                     | 2020                                                |                                                                                                                     |
| 7/11/2024  | 251,444                                  | 160,632,700                                            | 43,094                                               | 30                                                       | NS                                     | NS                                     | 2030                                                |                                                                                                                     |
| 7/17/2024  | 258,519                                  | 160,891,219                                            | 43,096                                               | 30                                                       | NS                                     | NS                                     | 2030                                                |                                                                                                                     |
| 7/25/2024  | 343,314                                  | 161,234,533                                            | 43,105                                               | 30                                                       | 1110                                   | 2.11                                   | 2030                                                |                                                                                                                     |
| 7/30/2024  | 227,404                                  | 161,461,937                                            | 42,873                                               | 30                                                       | NS                                     | NS                                     | 2030                                                | GETS was shutdown due to low flow at FIT-200. Restarted at 30 GPM at 1630.                                          |
| 8/9/2024   | 426,850                                  | 161,888,787                                            | 43,101                                               | 30                                                       | NS                                     | NS                                     | 2040                                                |                                                                                                                     |
| 8/16/2024  | 302,018                                  | 162,190,805                                            | 43,107                                               | 30                                                       | NS                                     | NS                                     | 2040                                                | GETS was shutdown for a period of time due to high level at LIT-201. Restarted 8/19/2024                            |
| 8/19/2024  | 713                                      | 162,191,518                                            | 257                                                  | 0                                                        | NS                                     | NS                                     | 2040                                                | GETS was restarted at 30 GPM at 0832                                                                                |
| 8/22/2024  | 128,869                                  | 162,320,387                                            | 40,839                                               | 28                                                       | NS                                     | NS                                     | 2040                                                | GETS was shutdown for short period of time to clean air stripper. Restarted at 30 GPM at 1200                       |
| 8/30/2024  | 345,064                                  | 162,665,451                                            | 43,099                                               | 30                                                       | NS                                     | NS                                     | 2050                                                |                                                                                                                     |
| 9/6/2024   | 303,353                                  | 162,968,804                                            | 43,105                                               | 30                                                       | NS                                     | NS                                     | 2050                                                |                                                                                                                     |
| 9/13/2024  | 299,109                                  | 163,267,913                                            | 43,115                                               | 30                                                       | NS                                     | NS                                     | 2050                                                |                                                                                                                     |
| 9/18/2024  | 212,839                                  | 163,480,752                                            | 43,107                                               | 30                                                       | NS                                     | NS                                     | 2050                                                |                                                                                                                     |
| 9/27/2024  | 384,731                                  | 163,865,483                                            | 43,110                                               | 30                                                       | NS                                     | NS                                     | 2060                                                |                                                                                                                     |
| 10/1/2024  | 101,807                                  | 163,967,290                                            | 23,479                                               | 16                                                       | NS                                     | NS                                     | 2060                                                | GETS shutdown over weekend due to high level at LIT-201 and was restarted at lower flowrate, 28 GPM at 1633.        |
| 10/7/2024  | 229,712                                  | 164,197,002                                            | 40,242                                               | 28                                                       | 1010.52                                | 2.05                                   | 2060                                                |                                                                                                                     |
| 10/11/2024 | 132,957                                  | 164,329,959                                            | 31,020                                               | 22                                                       | NS                                     | NS                                     | 2060                                                | GETS was shutdown due to power outage. Restarted at 28 GPM at 1627.                                                 |
| 10/15/2024 | 37,565                                   | 164,367,524                                            | 9,478                                                | 7                                                        | NS                                     | NS                                     | 2060                                                | GETS shutdown over weekend due to power outage and was restarted at lower flowrate, 28 GPM at 1530.                 |
| 10/21/2024 | 238,360                                  | 164,605,884                                            | 40,253                                               | 28                                                       | NS                                     | NS                                     | 2060                                                |                                                                                                                     |

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Madison Kipp Corporation  
201 Waubesa Street  
Madison, Wisconsin

| Date       | Groundwater Discharged This Period (gal) | Cumulative Groundwater Discharged (gal) <sup>(1)</sup> | Average Discharge Flow Rate <sup>(2),(5)</sup> (gpd) | Average Discharge Flow Rate <sup>(2),(5),(6)</sup> (gpm) | Influent Sample Results <sup>(3)</sup> | Effluent Sample Results <sup>(3)</sup> | Cumulative VOCs Removed <sup>(1),(4)</sup> (pounds) | Comments                                                                                                                                       |
|------------|------------------------------------------|--------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|            |                                          |                                                        |                                                      |                                                          | VOCs (µg/L)                            | VOCs (µg/L)                            |                                                     |                                                                                                                                                |
| 11/1/2024  | 440,134                                  | 165,046,018                                            | 40,248                                               | 28                                                       | NS                                     | NS                                     | 2070                                                |                                                                                                                                                |
| 11/8/2024  | 284,045                                  | 165,330,063                                            | 40,461                                               | 28                                                       | NS                                     | NS                                     | 2070                                                |                                                                                                                                                |
| 11/13/2024 | 195,789                                  | 165,525,852                                            | 39,039                                               | 27                                                       | NS                                     | NS                                     | 2070                                                | GETS was shutdown for short period of time to clean air stripper. Restarted at 28 GPM at 1250.                                                 |
| 11/15/2024 | 33,672                                   | 165,559,524                                            | 17,879                                               | 12                                                       | NS                                     | NS                                     | 2070                                                | GETS was shutdown for short period of time to clean air stripper. High level at LIT-201 issue, Restarted at 28 GPM, two sets of readings taken |
| 11/15/2024 | 1,336                                    | 165,560,860                                            | 37,722                                               | 26                                                       | NS                                     | NS                                     | 2070                                                |                                                                                                                                                |
| 11/22/2024 | 288,243                                  | 165,849,103                                            | 40,259                                               | 28                                                       | NS                                     | NS                                     | 2070                                                |                                                                                                                                                |
| 11/25/2024 | 110,047                                  | 165,959,150                                            | 40,271                                               | 28                                                       | NS                                     | NS                                     | 2070                                                |                                                                                                                                                |
| 12/6/2024  | 448,638                                  | 166,407,788                                            | 40,287                                               | 28                                                       | NS                                     | NS                                     | 2080                                                | GETS adjusted to 26 GPM at 1211.                                                                                                               |
| 12/13/2024 | 262,487                                  | 166,670,275                                            | 37,405                                               | 26                                                       | NS                                     | NS                                     | 2080                                                |                                                                                                                                                |
| 12/19/2024 | 231,327                                  | 166,901,602                                            | 37,407                                               | 26                                                       | NS                                     | NS                                     | 2080                                                |                                                                                                                                                |
| 12/24/2024 | 180,506                                  | 167,082,108                                            | 37,411                                               | 26                                                       | NS                                     | NS                                     | 2080                                                |                                                                                                                                                |

Notes:  
-- = 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: M. Holicky  
Checked By: M. Wagler 1/27/2025

Footnotes:

<sup>(1)</sup> The total gallons treated and VOCs removed by the GETS prior to 2024 are included in the 2023 Annual Report and reports referenced therein (TRC, 2024).

<sup>(2)</sup> 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.

<sup>(3)</sup> Analytical laboratory reports for sampling completed between January and June 2024 are included in Attachment 4 of this report.

<sup>(4)</sup> 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.

<sup>(5)</sup> 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.

<sup>(6)</sup> The soil vapor extraction system was shutdown in October 2018. Based on the shutdown, the GETS operation flow rate was adjusted to 40 GPM. During the reporting period, the operation flow rate was adjusted to between 3 and 38 GPM.

Table 2: GETS WPDES Compliance Sample Results - January to December 2024  
Madison-Kipp Corporation  
201 Waubesa Street, Madison, Wisconsin

| Parameter <sup>(3)</sup>              | Permit Discharge Limits | Unit | Location, Sample Date |          |           |           |            |            |           |           |            |             |           |           |            |            |            |            |
|---------------------------------------|-------------------------|------|-----------------------|----------|-----------|-----------|------------|------------|-----------|-----------|------------|-------------|-----------|-----------|------------|------------|------------|------------|
|                                       |                         |      | Influent              | Effluent | Influent  | Effluent  | Influent   | Effluent   | Influent  | Effluent  | Influent   | Effluent    | Influent  | Effluent  | Influent   | Effluent   | Influent   | Effluent   |
|                                       |                         |      | 2/1/2024              | 2/1/2024 | 2/20/2024 | 2/20/2024 | 4/9/2024   | 4/9/2024   | 5/28/2024 | 5/28/2024 | 7/25/2024  | 7/25/2024   | 8/22/2024 | 8/22/2024 | 10/7/2024  | 10/7/2024  | 11/13/2024 | 11/13/2024 |
| Miscellaneous                         |                         |      |                       |          |           |           |            |            |           |           |            |             |           |           |            |            |            |            |
| Total Suspended Solids                | 40                      | mg/L | <1.9                  | <1.9     | <1.9      | <1.9      | --         | --         | <1.9      | <1.9      | --         | --          | <1.9      | <1.9      | --         | --         | <1.9       | 4.4 J      |
| VOCs                                  |                         |      |                       |          |           |           |            |            |           |           |            |             |           |           |            |            |            |            |
| 1,1,1-Trichloroethane                 | 50                      | µg/L | <0.76                 | <0.38    | --        | --        | <0.76      | <0.38      | --        | --        | <0.38      | <0.38       | --        | --        | <0.38      | <0.38      | --         | --         |
| 1,1,2,2-Tetrachloroethane             | 50                      | µg/L | <0.80                 | <0.40    | --        | --        | <0.80      | <0.40      | --        | --        | <0.40      | <0.40       | --        | --        | <0.40      | <0.40      | --         | --         |
| 1,1,2-Trichloroethane                 | 50                      | µg/L | <0.70                 | <0.35    | --        | --        | <0.70      | <0.35      | --        | --        | <0.35      | <0.35       | --        | --        | <0.35      | <0.35      | --         | --         |
| 1,1-Dichloroethene                    | 50                      | µg/L | <0.78                 | <0.39    | --        | --        | <0.78      | <0.39      | --        | --        | <0.39      | <0.39       | --        | --        | <0.39      | <0.39      | --         | --         |
| 1,2-Dichloroethane                    | 180                     | µg/L | <0.78                 | <0.39    | --        | --        | <0.78      | <0.39      | --        | --        | <0.39      | <0.39       | --        | --        | <0.39      | <0.39      | --         | --         |
| Benzene                               | 50                      | µg/L | <0.29                 | <0.15    | --        | --        | <0.29      | <0.15      | --        | --        | <0.15      | <0.15       | --        | --        | <0.15      | <0.15      | --         | --         |
| Bromodichloromethane                  | 120                     | µg/L | <0.74                 | <0.37    | --        | --        | <0.74      | <0.37      | --        | --        | <0.37      | <0.37       | --        | --        | <0.37      | <0.37      | --         | --         |
| Bromoform                             | 120                     | µg/L | <0.89                 | <0.45    | --        | --        | <0.89      | <0.45      | --        | --        | <0.45      | <0.45       | --        | --        | <0.45      | <0.45      | --         | --         |
| Bromomethane (Methyl Bromide)         | NE                      | µg/L | <1.3                  | <0.65    | --        | --        | <1.3 ^c    | <0.65 ^c   | --        | --        | <0.65      | <0.65       | --        | --        | <0.65      | <0.65      | --         | --         |
| Carbon Tetrachloride                  | 150                     | µg/L | <0.77                 | <0.38    | --        | --        | <0.77      | <0.38      | --        | --        | <0.38      | <0.38       | --        | --        | <0.38      | <0.38      | --         | --         |
| cis-1,2-Dichloroethene                | NE                      | µg/L | --                    | --       | --        | --        | --         | --         | --        | --        | --         | --          | --        | --        | --         | --         | --         | --         |
| Chloroform                            | 120                     | µg/L | <0.74                 | <0.37    | --        | --        | 1.3 J B    | <0.37      |           |           | <0.37      | <0.37       |           |           | <0.37      | <0.37      |            |            |
| Chloromethane                         | NE                      | µg/L | <0.64                 | <0.32    | --        | --        | <0.64      | <0.32      | --        | --        | <0.32      | <0.32       | --        | --        | <0.32      | <0.32      | --         | --         |
| Ethylbenzene                          | NE                      | µg/L | <0.37                 | <0.18    | --        | --        | <0.37      | <0.18      | --        | --        | <0.18      | <0.18       | --        | --        | <0.18      | <0.18      | --         | --         |
| Tetrachloroethene                     | 50                      | µg/L | 1100                  | 3.9      | --        | --        | 1100       | 3.0        | --        | --        | 1000       | 1.7         | --        | --        | 880        | 1.5        | --         | --         |
| Toluene                               | NE                      | µg/L | <0.30                 | <0.15    | --        | --        | <0.30      | 0.15 J B   | --        | --        | <0.15      | <0.15       | --        | --        | <0.15      | <0.15      | --         | --         |
| Total Xylenes                         | NE                      | µg/L | <0.80                 | <0.40    | --        | --        | <0.80      | <0.40      | --        | --        | <0.40      | <0.40       | --        | --        | <0.40      | <0.40      | --         | --         |
| trans-1,2-Dichloroethene              | NE                      | µg/L | --                    | --       | --        | --        | --         | --         | --        | --        | --         | --          | --        | --        | --         | --         | --         | --         |
| Trichloroethene                       | 50                      | µg/L | 140                   | 1.0      | --        | --        | 110        | 0.74       | --        | --        | 110        | 0.41 J      | --        | --        | 130        | 0.55       | --         | --         |
| Vinyl Chloride                        | 10                      | µg/L | 0.48 J                | <0.20    | --        | --        | <0.41      | <0.20      | --        | --        | <0.20      | <0.20       | --        | --        | 0.52 J     | <0.20      | --         | --         |
| Total BTEX <sup>(1)</sup>             | 750                     | µg/L | <0.80                 | <0.40    | --        | --        | <0.80      | 0.15 J B   | --        | --        | <0.40      | <0.40       | --        | --        | <0.40      | <0.40      | --         | --         |
| Total VOCs (includes BTEX)            | NE                      | µg/L | 1540.48               |          | --        | --        | 1211.3     | 3.89       | --        | --        | 1110       | 2.11        | --        | --        | 1010.52    | 2.05       | --         | --         |
| PAHs                                  |                         |      |                       |          |           |           |            |            |           |           |            |             |           |           |            |            |            |            |
| Benzo(a)anthracene                    | NE                      | µg/L | <0.014                | <0.013   | --        | --        | <0.0062 ^c | <0.0064 ^c | --        | --        | <0.0062    | <0.0062     | --        | --        | <0.0062    | <0.0062    | --         | --         |
| Benzo(a)pyrene                        | 0.1                     | µg/L | <0.0026               | <0.0025  | --        | --        | <0.0052    | <0.0054    | --        | --        | <0.0052    | <0.0052     | --        | --        | <0.0052    | <0.0052    | --         | --         |
| Benzo(b)fluoranthene                  | NE                      | µg/L | <0.0038               | <0.0037  | --        | --        | <0.0059    | <0.0061    | --        | --        | <0.0059    | <0.0059     | --        | --        | <0.0059    | <0.0059    | --         | --         |
| Benzo(g,h,i)perylene                  | NE                      | µg/L | <0.0031               | <0.0030  | --        | --        | <0.0061    | <0.0063    | --        | --        | <0.0061 ^c | <0.0061 ^c  | --        | --        | <0.0061    | <0.0061    | --         | --         |
| Benzo(k)fluoranthene                  | NE                      | µg/L | <0.0031               | <0.0030  | --        | --        | <0.0045    | <0.0047    | --        | --        | <0.0045    | <0.0045     | --        | --        | <0.0046    | <0.0046    | --         | --         |
| Chrysene                              | NE                      | µg/L | <0.0082               | <0.0080  | --        | --        | <0.0058    | <0.0060    | --        | --        | <0.0058    | <0.0058     | --        | --        | <0.0058    | <0.0058    | --         | --         |
| Dibenzo(a,h)anthracene                | NE                      | µg/L | <0.0030               | <0.0029  | --        | --        | <0.0067 ^c | <0.0069 ^c | --        | --        | <0.0067    | <0.0067     | --        | --        | <0.0067    | <0.0067    | --         | --         |
| Fluoranthene                          | NE                      | µg/L | <0.0056               | <0.0055  | --        | --        | <0.0064    | <0.0066    | --        | --        | 0.012 J    | 0.0087 J    | --        | --        | <0.0064    | <0.0064    | --         | --         |
| Indeno(1,2,3-cd)pyrene                | NE                      | µg/L | <0.0032               | <0.0031  | --        | --        | <0.0060    | <0.0062    | --        | --        | <0.0060 ^c | <0.0060 ^ c | --        | --        | <0.0060    | <0.0060    | --         | --         |
| Naphthalene                           | 70                      | µg/L | <0.017                | <0.016   | --        | --        | <0.012     | <0.012     | --        | --        | <0.012     | <0.012      | --        | --        | <0.012     | <0.012     | --         | --         |
| Phenanthrene                          | NE                      | µg/L | <0.015                | <0.014   | --        | --        | <0.014     | <0.014     | --        | --        | 0.021      | 0.02        | --        | --        | <0.014     | <0.014     | --         | --         |
| Pyrene                                | NE                      | µg/L | <0.0073               | <0.0071  | --        | --        | <0.0061    | <0.0063    | --        | --        | 0.0087 J B | 0.0066 J B  | --        | --        | <0.0061 ^c | <0.0061 ^c | --         | --         |
| PAHs Group of 10 Total <sup>(2)</sup> | 0.1                     | µg/L | <0.015                | <0.014   | --        | --        | <0.014     | <0.014     | --        | --        | 0.0417     | 0.0353      | --        | --        | <0.014     | <0.014     | --         | --         |

Notes:  
< = 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.  
\* = ISTD response or retention time outside of acceptable limits.  
^c = CCV Recovery is outside acceptance limits.  
NE = Not Established  
-- = Not analyzed  
PAHs = Polynuclear Aromatic Hydrocarbons  
VOCs = Volatile Organic Compounds  
TSS = Total Suspended Solids

Updated by: M. Holicky 12/6/2024  
Checked by: M. Wagler 1/27/2025  
Updated by: M. Holicky 2/19/2025  
Checked by: B. Wachholz 2/19/2025

Footnotes:

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

<sup>(2)</sup> 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.

<sup>(3)</sup> 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 - December 2023 - December 2024**

**Madison-Kipp Corporation  
201 Waubesa Street  
Madison, Wisconsin**

| Sample Date            | 11/1/2023  |            | 6/18/2024   |            | 12/13/2024  |             |
|------------------------|------------|------------|-------------|------------|-------------|-------------|
| Sample Location        | Influent   | Effluent   | Influent    | Effluent   | Influent    | Effluent    |
| Acetone                | --         | --         | --          | --         | <b>52</b>   | <b>58</b>   |
| Vinyl Chloride         | <4.0       | 0.17 J     | <4.6        | <b>2.1</b> | <11         | <11         |
| 1,1-Dichloroethene     | <4.0       | <0.20      | <4.6        | <1.1       | <11         | <11         |
| cis-1,2-Dichloroethene | <b>420</b> | <b>16</b>  | <b>460</b>  | <b>130</b> | <b>320</b>  | <b>750</b>  |
| Benzene                | <4.0       | <0.20      | <4.6        | <1.1       | <11         | <11         |
| Trichloroethene        | <b>160</b> | <b>1.4</b> | <b>260</b>  | <b>28</b>  | <b>220</b>  | <b>310</b>  |
| Toluene                | <4.0       | <0.20      | <9.2        | <2.3       | <11         | <11         |
| Tetrachloroethene      | <b>400</b> | <b>4.6</b> | <b>1100</b> | <b>71</b>  | <b>1500</b> | <b>3000</b> |
| Ethyl Benzene          | <4.0       | <0.20      | <4.6        | <1.1       | <11         | <11         |
| m,p-Xylene             | <10        | <0.50      | <9.2        | <2.3       | <11         | <11         |
| o-Xylene               | <4.0       | <0.20      | <4.6        | <1.1       | <11         | <11         |
| 1,3,5-Trimethylbenzene | <4.0       | <0.20      | <4.6        | <1.1       | <11         | <11         |
| 1,2,4-Trimethylbenzene | <4.0       | <0.20      | <4.6        | <1.1       | <11         | <11         |

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.

**Bold** = Constituent detected above laboratory detection limit.

GETS = Groundwater extraction and treatment system

ppbv = parts per billion by volume

VOCs = Volatile Organic Compounds

Updated By: M. Holicky 1/14/2025

Checked by: M. Wagler 1/27/2025

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

| <b>Date<sup>(3)</sup></b> | <b>Total VOC<br/>Concentration<sup>(1)(2)</sup></b> | <b>System<br/>Flow Rate<sup>(4)</sup></b> | <b>Emission<br/>Rate<sup>(5)</sup></b> |
|---------------------------|-----------------------------------------------------|-------------------------------------------|----------------------------------------|
|                           | <b>µg/m<sup>3</sup></b>                             | <b>CFM</b>                                | <b>lb/hr</b>                           |
| 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                                |
| 6/9/2020                  | 2700                                                | 181.2                                     | 1.8E-03                                |
| 12/10/2020                | 7200                                                | 189.0                                     | 5.1E-03                                |

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

| <b>Date<sup>(3)</sup></b>                    | <b>Total VOC Concentration<sup>(1)(2)</sup></b> | <b>System Flow Rate<sup>(4)</sup></b> | <b>Emission Rate<sup>(5)</sup></b> |
|----------------------------------------------|-------------------------------------------------|---------------------------------------|------------------------------------|
|                                              | <b>µg/m<sup>3</sup></b>                         | <b>CFM</b>                            | <b>lb/hr</b>                       |
| 6/16/2021                                    | 1800                                            | 188.2                                 | 1.3E-03                            |
| 12/27/2021                                   | 22700                                           | 220.0                                 | 1.9E-02                            |
| 6/27/2022                                    | 2000                                            | 188.2                                 | 1.4E-03                            |
| 12/13/2022                                   | 10000                                           | 198.7                                 | 7.4E-03                            |
| 6/29/2023                                    | 4500                                            | 176.8                                 | 3.0E-03                            |
| 11/1/2023                                    | 100                                             | 191.5                                 | 7.8E-05                            |
| 6/18/2024                                    | 1400                                            | 179.6                                 | 9.2E-04                            |
| 12/13/2024                                   | 27200                                           | 222.6                                 | 2.3E-02                            |
| <b>Average Emission Rate<sup>(6)</sup> =</b> |                                                 |                                       | <b>8.4E-03</b>                     |
| <b>NR 406 Emission Threshold =</b>           |                                                 |                                       | <b>5.7</b>                         |

**Notes:**

VOCs = volatile organic compounds

SVE = soil vapor extraction

GETS = groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m<sup>3</sup> = micrograms per cubic meters

lb/hr = pounds per hour

Updated by: M. Holicky 1/14/2024

Checked by: M. Wagler 1/27/2025

**Footnotes:**

- <sup>(1)</sup> 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 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.
- <sup>(2)</sup> 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.
- <sup>(3)</sup> The sampling frequency was adjusted in 2019 from monthly to semi-annually.
- <sup>(4)</sup> 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 in October 2018.
- <sup>(5)</sup> Emission rates were calculated based on the product of the total VOC concentration and the system flow rate at the time of monitoring.
- <sup>(6)</sup> Average Emission Rate is an average based on samples collected between January 2016 and June 2024.

**Table 5: Groundwater Monitoring Plan - 2024**  
**Madison-Kipp Corporation**  
**201 Waubesa Street**  
**Madison, Wisconsin**

| Well/<br>Point ID | Bedrock Unit                       | Screened<br>Interval<br>(ft bgs) | April &<br>October<br>Gauging      | April<br>VOC<br>Sampling | April<br>PCB<br>Sampling | October<br>VOC<br>Sampling | Pump<br>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                          | Peristaltic  |
| MW-3D2            | Lower Lone Rock                    | 76-81                            | x                                  | x                        |                          | x                          | Peristaltic  |
| MW-3D3            | Lower Wonewoc                      | 214-224                          | x                                  |                          |                          | x                          | GeoSub       |
| MW-4S             | Unconsolidated/<br>Upper Lone Rock | 35-50                            | x                                  |                          |                          |                            | NA           |
| MW-4D             | Upper Lone Rock                    | 65-70                            | x                                  |                          |                          |                            | NA           |
| MW-4D2            | Lower Lone Rock                    | 91-96                            | x                                  | x                        |                          | x                          | Bladder      |
| MW-5S             | Upper Lone Rock                    | 34-44                            | 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/<br>Upper Lone Rock | 32-42                            | 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                                  |                          |                          |                            | 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                                  |                          |                          |                            | 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                          | Peristaltic  |
| MW-29S            | Unconsolidated                     | 24-34                            | x                                  |                          |                          |                            | Peristaltic  |
| MW-29D            | Upper Lone Rock                    | 45-50                            | 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 5: Groundwater Monitoring Plan - 2024**  
**Madison-Kipp Corporation**  
**201 Waubesa Street**  
**Madison, Wisconsin**

| <b>Well/<br/>Point ID</b>   | <b>Bedrock Unit</b> | <b>Screened<br/>Interval<br/>(ft bgs)</b> | <b>April &amp;<br/>October<br/>Gauging</b> | <b>April<br/>VOC<br/>Sampling</b> | <b>April<br/>PCB<br/>Sampling</b> | <b>October<br/>VOC<br/>Sampling</b> | <b>Pump<br/>Type</b> |
|-----------------------------|---------------------|-------------------------------------------|--------------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|----------------------|
| 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                   |
| <b>Total Sample Points:</b> |                     |                                           | <b>55</b>                                  | <b>15</b>                         | <b>1</b>                          | <b>40</b>                           |                      |

Notes:

\* = The GWE-1 influent sample results from quarterly performance monitoring will be used.

**Table 6: Summary of Groundwater Elevations - October 21, 2024**

**Madison Kipp Corporation  
201 Waubesa Street  
Madison, Wisconsin**

| <b>Well/<br/>Boring</b> | <b>Lithology</b>                | <b>Screen<br/>Interval<br/>(feet bls)</b> | <b>Ground<br/>Elevation<br/>(feet amsl)</b> | <b>Top of<br/>Casing<br/>Elevation<br/>(feet amsl)</b> | <b>Date</b> | <b>Depth to<br/>Water<br/>(feet btoc)</b> | <b>Groundwater<br/>Elevation<br/>(feet amsl)</b> |
|-------------------------|---------------------------------|-------------------------------------------|---------------------------------------------|--------------------------------------------------------|-------------|-------------------------------------------|--------------------------------------------------|
| MW-01                   | Unconsolidated                  | 14-24                                     | 861.71                                      | 861.08                                                 | 10/21/2024  | 11.53                                     | 849.55                                           |
| MW-02D                  | Upper Lone Rock                 | 39-44                                     | 866.50                                      | 868.74                                                 | 10/21/2024  | 19.72                                     | 849.02                                           |
| MW-02S                  | Unconsolidated                  | 19-29                                     | 866.34                                      | 868.94                                                 | 10/21/2024  | 19.12                                     | 849.82                                           |
| MW-03D                  | Upper Lone Rock                 | 48-53                                     | 867.68                                      | 867.25                                                 | 10/21/2024  | 19.25                                     | 848.00                                           |
| MW-03D2                 | Lower Lone Rock                 | 76-81                                     | 867.58                                      | 867.39                                                 | 10/21/2024  | 20.23                                     | 847.16                                           |
| MW-03D3                 | Lower Wonewoc/Upper Eau Claire  | 214-224                                   | 867.61                                      | 867.35                                                 | 10/21/2024  | 22.41                                     | 844.94                                           |
| MW-03S                  | Unconsolidated                  | 19-29                                     | 867.87                                      | 867.41                                                 | 10/21/2024  | 18.01                                     | 849.40                                           |
| MW-04D                  | Upper Lone Rock                 | 65-70                                     | 881.18                                      | 880.38                                                 | 10/21/2024  | 31.29                                     | 849.09                                           |
| MW-04D2                 | Lower Lone Rock                 | 91-96                                     | 880.36                                      | 880.20                                                 | 10/21/2024  | 31.62                                     | 848.58                                           |
| MW-04S                  | Unconsolidated/ Upper Lone Rock | 35-50                                     | 880.81                                      | 880.31                                                 | 10/21/2024  | 28.62                                     | 851.69                                           |
| MW-05D                  | Lower Lone Rock                 | 75-80                                     | 872.58                                      | 872.10                                                 | 10/21/2024  | 23.98                                     | 848.12                                           |
| MW-05D2                 | Lower Wonewoc                   | 165.8-170.8                               | 872.59                                      | 872.20                                                 | 10/21/2024  | 27.43                                     | 844.77                                           |
| MW-05D3                 | Lower Wonewoc/Upper Eau Claire  | 225-235                                   | 872.34                                      | 871.89                                                 | 10/21/2024  | 26.82                                     | 845.07                                           |
| MW-05S                  | Upper Lone Rock                 | 34-44                                     | 872.56                                      | 872.14                                                 | 10/21/2024  | 23.48                                     | 848.66                                           |
| MW-06D                  | Upper Lone Rock                 | 65.5-70.5                                 | 877.11                                      | 876.69                                                 | 10/21/2024  | 28.23                                     | 848.46                                           |
| MW-06S                  | Unconsolidated/ Upper Lone Rock | 31.4-41.4                                 | 877.20                                      | 876.69                                                 | 10/21/2024  | 27.08                                     | 849.61                                           |
| MW-07                   | Unconsolidated                  | 25-35                                     | 870.91                                      | 870.42                                                 | 10/21/2024  | 21.72                                     | 848.70                                           |
| MW-08                   | Unconsolidated                  | 24-34                                     | 867.69                                      | 866.78                                                 | 10/21/2024  | 17.62                                     | 849.16                                           |
| MW-09D                  | Upper Lone Rock                 | 44-49                                     | 855.80                                      | 855.47                                                 | 10/21/2024  | 8.26                                      | 847.21                                           |
| MW-09D2                 | Lower Lone Rock                 | 64-69                                     | 855.89                                      | 855.48                                                 | 10/21/2024  | 8.59                                      | 846.89                                           |
| MW-10S                  | Unconsolidated                  | 11-21                                     | 864.88                                      | 864.42                                                 | 10/21/2024  | 14.81                                     | 849.61                                           |
| MW-11S                  | Unconsolidated                  | 24-34                                     | 874.10                                      | 873.47                                                 | 10/21/2024  | 24.59                                     | 848.88                                           |
| MW-12S                  | Unconsolidated                  | 3-13                                      | 859.78                                      | 859.41                                                 | 10/21/2024  | 9.50                                      | 849.91                                           |
| MW-17                   | Upper Wonewoc                   | 160-170                                   | 877.26                                      | 876.65                                                 | 10/21/2024  | 31.66                                     | 844.99                                           |
| MW-18S                  | Unconsolidated                  | 20-30                                     | 867.89                                      | 867.24                                                 | 10/21/2024  | 17.85                                     | 849.39                                           |
| MW-19D                  | Lower Lone Rock                 | 60-90                                     | 867.44                                      | 866.75                                                 | 10/21/2024  | 19.81                                     | 846.94                                           |
| MW-19D2                 | Upper Wonewoc                   | 110-140                                   | 867.44                                      | 866.71                                                 | 10/21/2024  | 21.92                                     | 844.79                                           |
| MW-20D                  | Lower Lone Rock                 | 60-90                                     | 867.36                                      | 866.96                                                 | 10/21/2024  | 19.75                                     | 847.21                                           |
| MW-20D2                 | Lower Lone Rock                 | 110-140                                   | 867.36                                      | 867.04                                                 | 10/21/2024  | 22.02                                     | 845.02                                           |
| MW-21D                  | Lower Lone Rock                 | 60-90                                     | 867.77                                      | 867.49                                                 | 10/21/2024  | 19.85                                     | 847.64                                           |
| MW-21D2                 | Upper Wonewoc                   | 110-170                                   | 867.77                                      | 867.46                                                 | Abandoned   |                                           |                                                  |
| MW-24                   | Upper Lone Rock                 | 30-40                                     | 876.66                                      | 876.41                                                 | 10/21/2024  | 27.59                                     | 848.82                                           |
| MW-25D                  | Upper Wonewoc                   | 120-130                                   | 886.97                                      | 886.69                                                 | 10/21/2024  | 42.09                                     | 844.60                                           |
| MW-25D2                 | Upper Wonewoc                   | 160-170                                   | 886.97                                      | 886.68                                                 | 10/21/2024  | 42.35                                     | 844.33                                           |
| MW-26S                  | Unconsolidated                  | 6.85-16.85                                | 857.51                                      | 856.61                                                 | 10/21/2024  | 7.42                                      | 849.19                                           |
| MW-27D                  | Lower Wonewoc                   | 130-140                                   | 862.96                                      | 862.65                                                 | 10/21/2024  | 16.71                                     | 845.94                                           |
| MW-27D2                 | Lower Wonewoc                   | 170-180                                   | 862.96                                      | 862.59                                                 | 10/21/2024  | 16.62                                     | 845.97                                           |
| MW-28                   | Unconsolidated/ Upper Lone Rock | 28-38                                     | 874.30                                      | 874.05                                                 | 10/21/2024  | 24.83                                     | 849.22                                           |
| MW-29D                  | Upper Lone Rock                 | 45-50                                     | 875.86                                      | 877.61                                                 | 10/21/2024  | 28.58                                     | 849.03                                           |
| MW-29S                  | Unconsolidated                  | 24-34                                     | 875.97                                      | 877.80                                                 | 10/21/2024  | 26.05                                     | 851.75                                           |
| MP-13                   | Upper Lone Rock                 | 44-48                                     | 864.49                                      | 863.99                                                 | 10/21/2024  | 15.70                                     | 848.29                                           |
| MP-13                   | Lower Lone Rock                 | 67-71                                     | 864.49                                      | 863.99                                                 | 10/21/2024  | 16.74                                     | 847.25                                           |
| MP-13                   | Lower Lone Rock                 | 81-85                                     | 864.49                                      | 863.99                                                 | 10/21/2024  | 17.52                                     | 846.47                                           |
| MP-13                   | Upper Wonewoc                   | 102-106                                   | 864.49                                      | 863.99                                                 | 10/21/2024  | 18.63                                     | 845.36                                           |
| MP-13                   | Upper Wonewoc                   | 121-125                                   | 864.49                                      | 863.99                                                 | 10/21/2024  | 18.69                                     | 845.30                                           |
| MP-13                   | Upper Wonewoc                   | 135-139                                   | 864.49                                      | 863.99                                                 | 10/21/2024  | 18.81                                     | 845.18                                           |
| MP-13                   | Lower Wonewoc                   | 163-167                                   | 864.49                                      | 863.99                                                 | 10/21/2024  | 18.85                                     | 845.14                                           |
| MP-14                   | Lower Lone Rock                 | 70-75                                     | 866.88                                      | 867.28                                                 | 10/21/2024  | 17.62                                     | 849.66                                           |
| MP-14                   | Upper Wonewoc                   | 100-105                                   | 866.88                                      | 867.28                                                 | 10/21/2024  | 20.68                                     | 846.60                                           |
| MP-14                   | Upper Wonewoc                   | 135-140                                   | 866.88                                      | 867.28                                                 | 10/21/2024  | 21.19                                     | 846.09                                           |
| MP-14                   | Lower Wonewoc                   | 170-178                                   | 866.88                                      | 867.28                                                 | 10/21/2024  | 21.54                                     | 845.74                                           |

**Table 6: Summary of Groundwater Elevations - October 21, 2024**

**Madison Kipp Corporation**

**201 Waubesa Street**

**Madison, Wisconsin**

| <b>Well/<br/>Boring</b> | <b>Lithology</b> | <b>Screen<br/>Interval<br/>(feet bls)</b> | <b>Ground<br/>Elevation<br/>(feet amsl)</b> | <b>Top of<br/>Casing<br/>Elevation<br/>(feet amsl)</b> | <b>Date</b> | <b>Depth to<br/>Water<br/>(feet btoc)</b> | <b>Groundwater<br/>Elevation<br/>(feet amsl)</b> |
|-------------------------|------------------|-------------------------------------------|---------------------------------------------|--------------------------------------------------------|-------------|-------------------------------------------|--------------------------------------------------|
| MP-15                   | Upper Wonewoc    | 88-92                                     | 855.98                                      | 855.50                                                 | 10/21/2024  | 9.15                                      | 846.35                                           |
| MP-15                   | Upper Wonewoc    | 100-105                                   | 855.98                                      | 855.50                                                 | 10/21/2024  | 9.12                                      | 846.38                                           |
| MP-15                   | Upper Wonewoc    | 120-125                                   | 855.98                                      | 855.50                                                 | 10/21/2024  | 9.17                                      | 846.33                                           |
| MP-15                   | Lower Wonewoc    | 142-146                                   | 855.98                                      | 855.50                                                 | 10/21/2024  | 9.38                                      | 846.12                                           |
| MP-15                   | Lower Wonewoc    | 177-187                                   | 855.98                                      | 855.50                                                 | 10/21/2024  | 9.44                                      | 846.06                                           |
| MP-16                   | Lower Lone Rock  | 80-84                                     | 870.68                                      | 870.17                                                 | 10/21/2024  | 22.19                                     | 847.98                                           |
| MP-16                   | Upper Wonewoc    | 106-116                                   | 870.68                                      | 870.17                                                 | 10/21/2024  | 24.39                                     | 845.78                                           |
| MP-16                   | Upper Wonewoc    | 140-144                                   | 870.68                                      | 870.17                                                 | 10/21/2024  | 24.64                                     | 845.53                                           |
| MP-16                   | Lower Wonewoc    | 175-179                                   | 870.68                                      | 870.17                                                 | 10/21/2024  | 25.04                                     | 845.13                                           |

Created by: J. Esser, 12/5/2024

Checked by: M. Wagler 1/27/2025

Table 7: Groundwater Analytical Results Summary - 2024  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | MW-1       | MW-1 <sup>1</sup> | MW-1       | MW-2D      | MW-2D      | MW-2D      | MW-2D <sup>3</sup> | MW-3S      | MW-3S <sup>3</sup> | MW-3S      | MW-3D      | MW-3D      | MW-3D <sup>3</sup> | MW-3D      | MW-3D <sup>1</sup> | MW-3D2     | MW-3D2     | MW-3D2     | MW-3D3       | MW-3D3       |
|----------------------------|------------|-------------|------------|-------------------|------------|------------|------------|------------|--------------------|------------|--------------------|------------|------------|------------|--------------------|------------|--------------------|------------|------------|------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION     | STANDARD    | 14 - 24 ft | 14 - 24 ft        | 14 - 24 ft | 39 - 44 ft | 39 - 44 ft | 39 - 44 ft | 39 - 44 ft         | 19 - 29 ft | 19 - 29 ft         | 19 - 29 ft | 48 - 53 ft | 48 - 53 ft | 48 - 53 ft         | 48 - 53 ft | 48 - 53 ft         | 76 - 81 ft | 76 - 81 ft | 76 - 81 ft | 214 - 224 ft | 214 - 224 ft |
| SAMPLE DATE                | LIMIT      |             | 10/16/2023 | 10/16/2023        | 10/24/2024 | 10/16/2023 | 04/24/2024 | 10/25/2024 | 10/25/2024         | 10/16/2023 | 10/16/2023         | 10/24/2024 | 10/16/2023 | 04/24/2024 | 04/24/2024         | 10/24/2024 | 10/24/2024         | 10/16/2023 | 04/24/2024 | 10/24/2024 | 10/16/2023   | 10/24/2024   |
| VOCs                       |            |             |            |                   |            |            |            |            |                    |            |                    |            |            |            |                    |            |                    |            |            |            |              |              |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 0.46     | < 0.46            | < 0.16     | < 0.46     | < 0.46     | < 0.16     | < 0.16             | < 0.46     | < 0.46             | < 0.78     | < 0.46     | < 0.46     | < 0.46             | < 0.78     | < 0.62             | < 0.46     | < 0.46     | < 0.16     | < 0.46       | < 0.16       |
| 1,1,1-Trichloroethane      | 40         | 200         | < 0.38     | < 0.38            | < 0.39     | < 0.38     | < 0.38     | < 0.39     | < 0.39             | < 0.38     | < 0.38             | < 2.0      | < 0.38     | < 0.38     | < 0.38             | < 2.0      | < 1.6              | < 0.38     | < 0.38     | < 0.39     | < 0.38       | < 0.39       |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 0.35     | < 0.35            | < 0.27     | < 0.35     | < 0.35     | < 0.27     | < 0.27             | < 0.35     | < 0.35             | < 1.4      | < 0.35     | < 0.35     | < 0.35             | < 1.4      | < 1.1              | < 0.35     | < 0.35     | < 0.27     | < 0.35       | < 0.27       |
| 1,1-Dichloroethene         | 0.7        | 7           | < 0.39     | < 0.39            | 0.49 J     | < 0.39     | < 0.39     | < 0.23     | < 0.23             | < 0.39     | < 0.39             | < 1.2      | < 0.39     | < 0.39     | < 0.39             | < 1.2      | < 0.92             | < 0.39     | < 0.39     | < 0.23     | < 0.39       | < 0.23       |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 0.36     | < 0.36            | < 0.15     | < 0.36     | < 0.36     | < 0.15     | < 0.15             | < 0.36     | < 0.36             | < 0.75     | < 0.36     | < 0.36     | < 0.36             | < 0.75     | < 0.60             | < 0.36     | < 0.36     | < 0.15     | < 0.36       | < 0.15       |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 0.39     | < 0.39            | < 0.18     | < 0.39     | < 0.39     | < 0.18     | < 0.18             | < 0.39     | < 0.39             | < 0.92     | < 0.39     | < 0.39     | < 0.39             | < 0.92     | < 0.73             | < 0.39     | < 0.39     | < 0.18     | < 0.39       | < 0.18       |
| 1,2-Dichlorobenzene        | 60         | 600         | < 0.33     | < 0.33            | < 0.14     | < 0.33     | < 0.33     | < 0.14     | < 0.14             | < 0.33     | < 0.33             | < 0.72     | < 0.33     | < 0.33     | < 0.33             | < 0.72     | < 0.58             | < 0.33     | < 0.33     | < 0.14     | < 0.33       | < 0.14       |
| 1,2-Dichloroethane         | 0.5        | 5           | < 0.39     | < 0.39            | < 0.28     | < 0.39     | < 0.39     | < 0.28     | < 0.28             | < 0.39     | < 0.39             | < 1.4      | < 0.39     | < 0.39     | < 0.39             | < 1.4      | < 1.1              | < 0.39     | < 0.39     | < 0.28     | < 0.39       | < 0.28       |
| 1,2-Dichloropropane        | 0.5        | 5           | < 0.43     | < 0.43            | < 0.24     | < 0.43     | < 0.43     | < 0.24     | < 0.24             | < 0.43     | < 0.43             | < 1.2      | < 0.43     | < 0.43     | < 0.43             | < 1.2      | < 0.97             | < 0.43     | < 0.43     | < 0.24     | < 0.43       | < 0.24       |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 0.46     | < 0.46            | < 1.2      | < 0.46     | < 0.46     | < 1.2      | < 1.2              | < 0.46     | < 0.46             | < 6.0      | < 0.46     | < 0.46     | < 0.46             | < 6.0      | < 4.8              | < 0.46     | < 0.46     | < 1.2      | < 0.46       | < 1.2        |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 0.34     | < 0.34            | < 0.58     | < 0.34     | < 0.34     | < 0.58     | < 0.58             | < 0.34     | < 0.34             | < 2.9      | < 0.34     | < 0.34     | < 0.34             | < 2.9      | < 2.3              | < 0.34     | < 0.34     | < 0.58     | < 0.34       | < 0.58       |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 0.25     | < 0.25            | < 0.12     | < 0.25     | < 0.25     | < 0.12     | < 0.12             | < 0.25     | < 0.25             | < 0.61     | < 0.25     | < 0.25     | < 0.25             | < 0.61     | < 0.48             | < 0.25     | < 0.25     | < 0.12     | < 0.25       | < 0.12       |
| 2-Butanone                 | 800        | 4000        | < 2.1      | < 2.1             | < 4.6      | < 2.1      | < 2.1      | < 4.6      | < 4.6              | < 2.1      | < 2.1              | < 23       | < 2.1      | < 2.1      | < 2.1              | < 23       | < 18               | < 2.1      | < 2.1      | < 4.6      | < 2.1        | < 4.6        |
| 2-Hexanone                 | NE         | NE          | < 1.6      | < 1.6             | < 0.81     | < 1.6      | < 1.6      | < 0.81     | < 0.81             | < 1.6      | < 1.6              | < 4.1      | < 1.6      | < 1.6      | < 1.6              | < 4.1      | < 3.2              | < 1.6      | < 1.6      | < 0.81     | < 1.6        | < 0.81       |
| 4-Methyl-2-pentanone       | 50         | 500         | < 2.2      | < 2.2             | < 0.98     | < 2.2      | < 2.2      | < 0.98     | < 0.98             | < 2.2      | < 2.2              | < 4.9      | < 2.2      | < 2.2      | < 2.2              | < 4.9      | < 3.9              | < 2.2      | < 2.2      | < 0.98     | < 2.2        | < 0.98       |
| Acetone                    | 1800       | 9000        | < 1.7      | < 1.7             | < 6.6      | < 1.7      | < 1.7      | < 6.6      | < 6.6              | < 1.7      | < 2.2 U            | < 33       | < 1.9 U    | < 1.7      | < 1.7              | < 33       | < 26               | < 2.8 U    | < 1.7      | < 6.6      | < 2.3 U      | < 6.6        |
| Benzene                    | 0.5        | 5           | < 0.15     | < 0.15            | < 0.14     | < 0.15     | < 0.15     | < 0.14     | < 0.14             | < 0.15     | < 0.15             | < 0.72     | < 0.15     | < 0.15     | < 0.15             | < 0.72     | < 0.58             | < 0.15     | < 0.15     | < 0.14     | < 0.15       | < 0.14       |
| Bromodichloromethane       | 0.06       | 0.6         | < 0.37     | < 0.37            | < 0.19     | < 0.37     | < 0.37     | < 0.19     | < 0.19             | < 0.37     | < 0.37             | < 0.94     | < 0.37     | < 0.37     | < 0.37             | < 0.94     | < 0.75             | < 0.37     | < 0.37     | < 0.19     | < 0.37       | < 0.19       |
| Bromoform                  | 0.44       | 4.4         | < 0.48     | < 0.48            | < 0.25     | < 0.48     | < 0.48     | < 0.25     | < 0.25             | < 0.48     | < 0.48             | < 1.2      | < 0.48     | < 0.48     | < 0.48             | < 1.2      | < 0.98             | < 0.48     | < 0.48     | < 0.25     | < 0.48       | < 0.25       |
| Bromomethane               | 1          | 10          | < 0.80     | < 0.80            | < 2.4      | < 0.80     | < 0.80     | < 2.4      | < 2.4              | < 0.80     | < 0.80             | < 12       | < 0.80     | < 0.80     | < 0.80             | < 12       | < 9.4              | < 0.80     | < 0.80     | < 2.4      | < 0.80       | < 2.4        |
| Carbon disulfide           | 200        | 1000        | < 0.45     | < 0.45            | < 0.26     | < 0.45     | < 0.45     | < 0.26     | < 0.26             | < 0.45     | < 0.45             | < 1.3      | < 0.45     | < 0.45     | < 0.45             | < 1.3      | < 1.0              | < 0.45     | < 0.45     | < 0.26     | < 0.45       | < 0.26       |
| Carbon tetrachloride       | 0.5        | 5           | < 0.38     | < 0.38            | < 0.23     | < 0.38     | < 0.38     | < 0.23     | < 0.23             | < 0.38     | < 0.38             | < 1.1      | < 0.38     | < 0.38     | < 0.38             | < 1.1      | < 0.90             | < 0.38     | < 0.38     | < 0.23     | < 0.38       | < 0.23       |
| Chloroethane               | 80         | 400         | < 0.51     | < 0.51            | < 0.64     | < 0.51     | < 0.51     | < 0.64     | < 0.64             | < 0.51     | < 0.51             | < 3.2      | < 0.51     | < 0.51     | < 0.51             | < 3.2      | < 2.6              | < 0.51     | < 0.51     | < 0.64     | < 0.51       | < 0.64       |
| Chloroform                 | 0.6        | 6           | 0.63 J     | < 0.37            | < 0.36     | 0.47 J     | < 0.37     | < 0.36     | < 0.36             | 0.66 J     | 0.70 J             | < 1.8      | < 0.37     | < 0.37     | < 0.37             | < 1.8      | < 1.4              | < 0.37     | < 0.37     | < 0.36     | < 0.37       | < 0.36       |
| Chloromethane              | 3          | 30          | < 0.32     | < 0.32            | < 0.23     | < 0.32     | < 0.32     | < 0.23     | < 0.23             | < 0.32     | < 0.32             | < 1.1      | 0.59 J     | < 0.32     | < 0.32             | < 1.1      | < 0.91             | < 0.32     | < 0.32     | < 0.23     | < 0.32       | < 0.23       |
| cis-1,2-Dichloroethene     | 7          | 70          | 16 J       | 23 J              | 22         | < 0.41     | < 0.41     | < 0.32     | < 0.32             | 7.8 J      | 10 J               | 8.7        | 27 J       | 8          | 8.8 J+             | 11         | 11                 | 0.45 J     | < 0.41     | < 0.32     | < 0.41       | < 0.32       |
| Di-isopropyl ether         | NE         | NE          | < 0.28     | < 0.28            | < 1.1      | < 0.28     | < 0.28     | < 1.1      | < 1.1              | < 0.28     | < 0.28             | < 5.5      | < 0.28     | < 0.28     | < 0.28             | < 5.5      | < 4.4              | < 0.28     | < 0.28     | < 1.1      | < 0.28       | < 1.1        |
| Dichlorodifluoromethane    | 200        | 1000        | < 0.67     | < 0.67            | < 0.30     | < 0.67     | < 0.67     | < 0.30     | < 0.30             | < 0.67     | < 0.67             | < 1.5      | < 0.67     | < 0.67     | < 0.67             | < 1.5      | < 1.2              | < 0.67     | < 0.67     | < 0.30     | < 0.67       | < 0.30       |
| Ethylbenzene               | 140        | 700         | < 0.18     | < 0.18            | < 0.14     | < 0.18     | < 0.18     | < 0.14     | < 0.14             | < 0.18     | < 0.18             | < 0.72     | < 0.18     | < 0.18     | < 0.18             | < 0.72     | < 0.58             | < 0.18     | < 0.18     | < 0.14     | < 0.18       | < 0.14       |
| Isopropylbenzene           | NE         | NE          | < 0.39     | < 0.39            | < 0.16     | < 0.39     | < 0.39     | < 0.16     | < 0.16             | < 0.39     | < 0.39             | < 0.79     | < 0.39     | < 0.39     | < 0.39             | < 0.79     | < 0.63             | < 0.39     | < 0.39     | < 0.16     | < 0.39       | < 0.16       |
| m,p-Xylene                 | 400        | 2000        | < 0.18     | < 0.18            | < 0.36     | < 0.18     | < 0.18     | < 0.36     | < 0.36             | < 0.18     | < 0.18             | < 1.8      | < 0.18     | < 0.18     | < 0.18             | < 1.8      | < 1.4              | < 0.18     | < 0.18     | < 0.36     | < 0.18       | < 0.36       |
| Methyl tert-butyl ether    | 12         | 60          | < 0.39     | < 0.39            | < 0.25     | < 0.39     | < 0.39     | < 0.25     | < 0.25             | < 0.39     | < 0.39             | < 1.3      | < 0.39     | < 0.39     | < 0.39             | < 1.3      | < 1.0              | < 0.39     | < 0.39     | < 0.25     | < 0.39       | < 0.25       |
| Methylene chloride         | 0.5        | 5           | < 1.6      | 1.7 J             | < 0.94     | < 1.6      | < 1.6      | < 0.94     | < 0.94             | < 1.6      | < 1.6              | < 4.7      | < 1.6      | < 1.6      | < 1.6              | < 4.7      | < 3.8              | < 1.6      | < 1.6      | < 0.94     | < 1.6        | < 0.94       |
| Naphthalene                | 10         | 100         | < 0.34     | < 0.34            | < 0.99     | < 0.34     | < 0.34     | < 0.99     | < 0.99             | < 0.34     | < 0.34             | < 5.0      | < 0.34     | < 0.34     | < 0.34             | < 5.0      | < 4.0              | < 0.34     | < 0.34     | < 0.99     | < 0.34       | < 0.99       |
| n-Butylbenzene             | NE         | NE          | < 0.39     | < 0.39            | < 0.23     | < 0.39     | < 0.39     | < 0.23     | < 0.23             | < 0.39     | < 0.39             | < 1.2      | < 0.39     | < 0.39     | < 0.39             | < 1.2      | < 0.93             | < 0.39     | < 0.39     | < 0.23     | < 0.39       | < 0.23       |
| n-Hexane                   | 120        | 600         | < 0.49     | < 0.49            | < 0.16     | < 0.49     | < 0.49     | < 0.16     | < 0.16             | < 0.49     | < 0.49             | < 0.82     | < 0.49     | < 0.49     | < 0.49             | < 0.82     | < 0.65             | < 0.49     | < 0.49     | < 0.16     | < 0.49       | < 0.16       |
| n-Propylbenzene            | NE         | NE          | < 0.41     | < 0.41            | < 0.18     | < 0.41     | < 0.41     | < 0.18     | < 0.18             | < 0.41     | < 0.41             | < 0.92     | < 0.41     | < 0.41     | < 0.41             | < 0.92     | < 0.74             | < 0.41     | < 0.41     | < 0.18     | < 0.41       | < 0.18       |
| o-Xylene                   | 400        | 2000        | < 0.22     | < 0.22            | < 0.11     | < 0.22     | < 0.22     | < 0.11     | < 0.11             | < 0.22     | < 0.22             | < 0.57     | < 0.22     | < 0.22     | < 0.22             | < 0.57     | < 0.46             | < 0.22     | < 0.22     | < 0.11     | < 0.22       | < 0.11       |
| p-Isopropyltoluene         | NE         | NE          | < 0.36     | < 0.36            | < 0.19     | < 0.36     | < 0.36     | < 0.19     | < 0.19             | < 0.36     | < 0.36             | < 0.93     | < 0.36     | < 0.36     | < 0.36             | < 0.93     | < 0.74             | < 0.36     | < 0.36     | < 0.19     | < 0.36       | < 0.19       |
| sec-Butylbenzene           | NE         | NE          | < 0.40     | < 0.40            | < 0.20     | < 0.40     | < 0.40     | < 0.20     | < 0.20             | < 0.40     | < 0.40             | < 1.0      | < 0.40     | < 0.40     | < 0.40             | < 1.0      | < 0.82             | < 0.40     | < 0.40     | < 0.20     | < 0.40       | < 0.20       |
| Styrene                    | 10         | 100         | < 0.39     | < 0.39            | < 0.13     | < 0.39     | < 0.39     | < 0.13     | < 0.13             | < 0.39     | < 0.39             | < 0.63     | < 0.39     | < 0.39     | < 0.39             | < 0.63     | < 0.50             | < 0.39     | < 0.39     | < 0.13     | < 0.39       | < 0.13       |
| tert-Butylbenzene          | NE         | NE          | < 0.40     | < 0.40            | < 0.18     | < 0.40     | < 0.40     | < 0.18     | < 0.18             | < 0.40     | < 0.40             | < 0.89     | < 0.40     | < 0.40     | < 0.40             | < 0.89     | < 0.71             | < 0.40     | < 0.40     | < 0.18     | < 0.40       | < 0.18       |
| Tetrachloroethene          | 0.5        | 5           | 20         | 20                | 28         | 8.2        | 6.2        | 7.2        | 6.4                | 460        | 490                | 360        | 440        | 280 J      | 400 J              | 340        | 350                | 120        |            |            |              |              |

Table 7: Groundwater Analytical Results Summary - 2024  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-4D2     | MW-4D2     | MW-4D2     | MW-5S      | MW-5S      | MW-5S <sup>1</sup> | MW-5S      | MW-5D      | MW-5D <sup>1</sup> | MW-5D      | MW-5D      | MW-5D2           | MW-5D2           | MW-5D2 <sup>1</sup> | MW-5D2           | MW-5D3       | MW-5D3       | MW-5D3       | MW-6S          | MW-6S          |  |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|--------------------|------------|------------|--------------------|------------|------------|------------------|------------------|---------------------|------------------|--------------|--------------|--------------|----------------|----------------|--|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 91 - 96 ft | 91 - 96 ft | 91 - 96 ft | 34 - 44 ft | 34 - 44 ft | 34 - 44 ft         | 34 - 44 ft | 75 - 80 ft | 75 - 80 ft         | 75 - 80 ft | 75 - 80 ft | 165.8 - 170.8 ft | 165.8 - 170.8 ft | 165.8 - 170.8 ft    | 165.8 - 170.8 ft | 225 - 235 ft | 225 - 235 ft | 225 - 235 ft | 31.4 - 41.4 ft | 31.4 - 41.4 ft |  |
| SAMPLE DATE                |              |             | 10/12/2023 | 04/24/2024 | 10/24/2024 | 10/11/2023 | 04/23/2024 | 04/23/2024         | 10/24/2024 | 10/11/2023 | 10/11/2023         | 04/23/2024 | 10/24/2024 | 10/11/2023       | 04/23/2024       | 04/23/2024          | 10/24/2024       | 10/11/2023   | 04/23/2024   | 10/24/2024   | 10/12/2023     | 10/23/2024     |  |
| VOCs                       |              |             |            |            |            |            |            |                    |            |            |                    |            |            |                  |                  |                     |                  |              |              |              |                |                |  |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.46     | < 0.46     | < 0.16     | < 0.46     | NA         | NA                 | < 0.16     | < 0.46     | < 0.46             | < 0.46     | < 0.31     | < 4.6            | < 2.3            | < 2.3               | < 7.8            | < 0.46       | < 0.46       | < 0.16       | < 0.46         | < 0.16         |  |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38     | < 0.38     | < 0.39     | < 0.38     | NA         | NA                 | < 0.39     | < 0.38     | < 0.38             | < 0.38     | < 0.78     | < 3.8            | < 1.9            | < 1.9               | < 20             | < 0.38       | < 0.38       | < 0.39       | < 0.38         | < 0.39         |  |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.35     | < 0.35     | < 0.27     | < 0.35     | NA         | NA                 | < 0.27     | < 0.35     | < 0.35             | < 0.35     | < 0.54     | < 3.5            | < 1.8 UJ         | 35 J                | < 14             | < 0.35       | < 0.35       | < 0.27       | < 0.35         | < 0.27         |  |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39     | < 0.39     | < 0.23     | < 0.39     | NA         | NA                 | < 0.23     | < 0.39     | 0.44 J             | < 0.39     | < 0.46     | < 3.9            | < 2.0            | < 2.0               | < 12             | < 0.39       | < 0.39       | < 0.23       | < 0.39         | < 0.23         |  |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.36     | < 0.36     | < 0.15     | < 0.36     | NA         | NA                 | < 0.15     | < 0.36     | < 0.36             | < 0.36     | < 0.30     | < 3.6            | < 1.8            | < 1.8               | < 7.5            | < 0.36       | < 0.36       | < 0.15       | < 0.36         | < 0.15         |  |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.39     | < 0.39     | < 0.18     | < 0.39     | NA         | NA                 | < 0.18     | < 0.39     | < 0.39             | < 0.39     | < 0.37     | < 3.9            | < 1.9            | < 1.9               | < 9.2            | < 0.39       | < 0.39       | < 0.18       | < 0.39         | < 0.18         |  |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33     | < 0.33     | < 0.14     | < 0.33     | NA         | NA                 | < 0.14     | < 0.33     | < 0.33             | < 0.33     | < 0.29     | < 3.3            | < 1.7            | < 1.7               | < 7.2            | < 0.33       | < 0.33       | < 0.14       | < 0.33         | < 0.14         |  |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39     | < 0.39     | < 0.28     | < 0.39     | NA         | NA                 | < 0.28     | < 0.39     | < 0.39             | < 0.39     | < 0.56     | < 3.9            | < 2.0            | < 2.0               | < 14             | < 0.39       | < 0.39       | < 0.28       | < 0.39         | < 0.28         |  |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.43     | < 0.43     | < 0.24     | < 0.43     | NA         | NA                 | < 0.24     | < 0.43     | < 0.43             | < 0.43     | < 0.49     | < 4.3            | < 2.1            | < 2.1               | < 12             | < 0.43       | < 0.43       | < 0.24       | < 0.43         | < 0.24         |  |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.46     | < 0.46     | < 1.2      | < 0.46     | NA         | NA                 | < 1.2      | < 0.46     | < 0.46             | < 0.46     | < 2.4      | < 4.6            | < 2.3            | < 2.3               | < 60             | < 0.46       | < 0.46       | < 1.2        | < 0.46         | < 1.2          |  |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.34     | < 0.34     | < 0.58     | < 0.34     | NA         | NA                 | < 0.58     | < 0.34     | < 0.34             | < 0.34     | < 1.2      | < 3.4            | < 1.7            | < 1.7               | < 29             | < 0.34       | < 0.34       | < 0.58       | < 0.34         | < 0.58         |  |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.25     | < 0.25     | < 0.12     | < 0.25     | NA         | NA                 | < 0.12     | < 0.25     | < 0.25             | < 0.25     | < 0.24     | < 2.5            | < 1.3            | < 1.3               | < 6.1            | < 0.25       | < 0.25       | < 0.12       | < 0.25         | < 0.12         |  |
| 2-Butanone                 | 800          | 4000        | < 2.1      | < 2.1      | < 4.6      | < 2.1      | NA         | NA                 | < 4.6      | < 2.1      | < 2.1              | < 2.1      | < 9.2      | < 21             | < 11             | < 11                | < 230            | < 2.1        | < 2.1        | < 4.6        | < 2.1          | < 4.6          |  |
| 2-Hexanone                 | NE           | NE          | < 1.6      | < 1.6      | < 0.81     | < 1.6      | NA         | NA                 | < 0.81     | < 1.6      | < 1.6              | < 1.6      | < 1.6      | < 16             | < 7.8            | < 7.8               | < 41             | < 1.6        | < 1.6        | < 0.81       | < 1.6          | < 0.81         |  |
| 4-Methyl-2-pentanone       | 50           | 500         | < 2.2      | < 2.2      | < 0.98     | < 2.2      | NA         | NA                 | < 0.98     | < 2.2      | < 2.2              | < 2.2      | < 2.0      | < 22             | < 11             | < 11                | < 49             | < 2.2        | < 2.2        | < 0.98       | < 2.2          | < 0.98         |  |
| Acetone                    | 1800         | 9000        | < 1.7      | < 1.7      | < 6.6      | < 1.7      | NA         | NA                 | < 6.6      | < 1.7      | < 1.7              | < 1.7      | < 13       | < 17             | < 8.7            | < 8.7               | < 330            | < 1.7        | < 1.7 UJ     | < 6.6        | < 1.7          | < 6.6          |  |
| Benzene                    | 0.5          | 5           | < 0.15     | < 0.15     | < 0.14     | < 0.15     | NA         | NA                 | < 0.14     | < 0.15     | < 0.15             | < 0.15     | < 0.29     | < 1.5            | < 0.73           | < 0.73              | < 7.2            | < 0.15       | < 0.15       | < 0.14       | < 0.15         | < 0.14         |  |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.37     | < 0.37     | < 0.19     | < 0.37     | NA         | NA                 | < 0.19     | < 0.37     | < 0.37             | < 0.37     | < 0.37     | < 3.7            | < 1.9            | < 1.9               | < 9.4            | < 0.37       | < 0.37       | < 0.19       | < 0.37         | < 0.19         |  |
| Bromoform                  | 0.44         | 4.4         | < 0.48     | < 0.48     | < 0.25     | < 0.48     | NA         | NA                 | < 0.25     | < 0.48     | < 0.48             | < 0.48     | < 0.49     | < 4.8            | < 2.4            | < 2.4               | < 12             | < 0.48       | < 0.48       | < 0.25       | < 0.48         | < 0.25         |  |
| Bromomethane               | 1            | 10          | < 0.80     | < 0.80     | < 2.4      | < 0.80     | NA         | NA                 | < 2.4      | < 0.80     | < 0.80             | < 0.80     | < 4.7      | < 8.0            | < 4.0            | < 4.0               | < 120            | < 0.80       | < 0.80       | < 2.4        | < 0.80         | < 2.4          |  |
| Carbon disulfide           | 200          | 1000        | < 0.45     | < 0.45     | < 0.26     | < 0.45     | NA         | NA                 | < 0.26     | < 0.45     | < 0.45             | < 0.45     | < 0.51     | < 4.5            | < 2.2            | < 2.2               | < 13             | < 0.45       | < 0.45       | < 0.26       | < 0.45         | < 0.26         |  |
| Carbon tetrachloride       | 0.5          | 5           | < 0.38     | < 0.38     | < 0.23     | 1          | NA         | NA                 | 1.1        | < 0.38     | < 0.38             | < 0.38     | < 0.45     | < 3.8            | < 1.9            | < 1.9               | < 11             | < 0.38       | < 0.38       | < 0.23       | < 0.38         | < 0.23         |  |
| Chloroethane               | 80           | 400         | < 0.51     | < 0.51     | < 0.64     | < 0.51     | NA         | NA                 | < 0.64     | < 0.51     | < 0.51             | < 0.51     | < 1.3      | < 5.1            | < 2.5            | < 2.5               | < 32             | < 0.51       | < 0.51       | < 0.64       | < 0.51         | < 0.64         |  |
| Chloroform                 | 0.6          | 6           | < 0.37     | < 0.37     | < 0.36     | 0.79 J     | NA         | NA                 | 1.3        | < 0.37     | < 0.37             | 0.52 J     | < 0.72     | < 3.7            | 4.6 J            | 2.8 J               | < 18             | < 0.37       | < 0.37       | < 0.36       | < 0.37         | < 0.36         |  |
| Chloromethane              | 3            | 30          | < 0.32     | < 0.32     | < 0.23     | < 0.32     | NA         | NA                 | < 0.23     | < 0.32     | < 0.32             | < 0.32     | < 0.45     | < 3.2            | < 1.6            | < 1.6               | < 11             | < 0.32       | < 0.32       | < 0.23       | < 0.32         | < 0.23         |  |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.41     | < 0.41     | < 0.32     | < 0.41     | NA         | NA                 | 0.79 J     | 3.0        | 3.4                | 2.3        | 1.9 J      | 17               | 15               | 14                  | 29 J             | < 0.41       | < 0.41       | < 0.32       | < 0.41         | < 0.32         |  |
| Di-isopropyl ether         | NE           | NE          | < 0.28     | < 0.28     | < 1.1      | < 0.28     | NA         | NA                 | < 1.1      | < 0.28     | < 0.28             | < 0.28     | < 2.2      | < 2.8            | < 1.4            | < 1.4               | < 55             | < 0.28       | < 0.28       | < 1.1        | < 0.28         | < 1.1          |  |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.67     | < 0.67     | < 0.30     | < 0.67     | NA         | NA                 | < 0.30     | < 0.67     | < 0.67             | < 0.67     | < 0.60     | < 6.7            | < 3.4            | < 3.4               | < 15             | < 0.67       | < 0.67       | < 0.30       | < 0.67         | < 0.30         |  |
| Ethylbenzene               | 140          | 700         | < 0.18     | < 0.18     | < 0.14     | < 0.18     | NA         | NA                 | < 0.14     | < 0.18     | < 0.18             | < 0.18     | < 0.29     | < 1.8            | < 0.92           | < 0.92              | < 7.2            | < 0.18       | < 0.18       | < 0.14       | < 0.18         | < 0.14         |  |
| Isopropylbenzene           | NE           | NE          | < 0.39 J-  | < 0.39     | < 0.16     | < 0.39 J-  | NA         | NA                 | < 0.16     | < 0.39 J-  | < 0.39 J-          | < 0.39     | < 0.31     | < 3.9 J-         | < 1.9            | < 1.9               | < 7.9            | < 0.39 J-    | < 0.39       | < 0.16       | < 0.39 J-      | < 0.16         |  |
| m,p-Xylene                 | 400          | 2000        | < 0.18     | < 0.18     | < 0.36     | < 0.18     | NA         | NA                 | < 0.36     | < 0.18     | < 0.18             | < 0.18     | < 0.71     | < 1.8            | < 0.91           | < 0.91              | < 18             | < 0.18       | < 0.18       | < 0.36       | < 0.18         | < 0.36         |  |
| Methyl tert-butyl ether    | 12           | 60          | < 0.39     | < 0.39     | < 0.25     | < 0.39     | NA         | NA                 | < 0.25     | < 0.39     | < 0.39             | < 0.39     | < 0.50     | < 3.9            | < 2.0            | < 2.0               | < 13             | < 0.39       | < 0.39       | < 0.25       | < 0.39         | < 0.25         |  |
| Methylene chloride         | 0.5          | 5           | < 1.6      | < 1.6      | < 0.94     | < 1.6      | NA         | NA                 | < 0.94     | < 1.6      | < 2.3 U            | < 1.6      | < 1.9      | < 16             | < 8.2            | < 8.2               | < 47             | < 1.6        | < 1.6        | < 0.94       | < 1.6          | < 0.94         |  |
| Naphthalene                | 10           | 100         | < 0.34     | < 0.34     | < 0.99     | < 0.34     | NA         | NA                 | < 0.99     | < 0.34     | < 0.34             | < 0.34     | < 2.0      | < 3.4            | < 1.7            | < 1.7               | < 50             | < 0.34       | < 0.34       | < 0.99       | < 0.34         | < 0.99         |  |
| n-Butylbenzene             | NE           | NE          | < 0.39     | < 0.39     | < 0.23     | < 0.39     | NA         | NA                 | < 0.23     | < 0.39     | < 0.39             | < 0.39     | < 0.47     | < 3.9            | < 1.9            | < 1.9               | < 12             | < 0.39       | < 0.39       | < 0.23       | < 0.39         | < 0.23         |  |
| n-Hexane                   | 120          | 600         | < 0.49 UJ  | < 0.49     | < 0.16     | < 0.49 UJ  | NA         | NA                 | < 0.16     | < 0.49 UJ  | < 0.49 UJ          | < 0.49     | < 0.33     | < 4.9 UJ         | < 2.5            | < 2.5               | < 8.2            | < 0.49 UJ    | < 0.49       | < 0.16       | < 0.49 UJ      | < 0.16         |  |
| n-Propylbenzene            | NE           | NE          | < 0.41     | < 0.41     | < 0.18     | < 0.41     | NA         | NA                 | < 0.18     | < 0.41     | < 0.41             | < 0.41     | < 0.37     | < 4.1            | < 2.1            | < 2.1               | < 9.2            | < 0.41       | < 0.41       | < 0.18       | < 0.41         | < 0.18         |  |
| o-Xylene                   | 400          | 2000        | < 0.22     | < 0.22     | < 0.11     | < 0.22     | NA         | NA                 | < 0.11     | < 0.22     | < 0.22             | < 0.22     | < 0.23     | < 2.2            | < 1.1            | < 1.1               | < 5.7            | < 0.22       | < 0.22       | < 0.11       | < 0.22         | < 0.11         |  |
| p-Isopropyltoluene         | NE           | NE          | < 0.36     | < 0.36     | < 0.19     | < 0.36     | NA         | NA                 | < 0.19     | < 0.36     | < 0.36             | < 0.36     | < 0.37     | < 3.6            | < 1.8            | < 1.8               | < 9.3            | < 0.36       | < 0.36       | < 0.19       | < 0.36         | < 0.19         |  |
| sec-Butylbenzene           | NE           | NE          | < 0.40     | < 0.40     | < 0.20     | < 0.40     | NA         | NA                 | < 0.20     | < 0.40     | < 0.40             | < 0.40     | < 0.41     | < 4.0            | < 2.0            | < 2.0               | < 10             | < 0.40       | < 0.40       | < 0.20       | < 0.40         | < 0.20         |  |
| Styrene                    | 10           | 100         | < 0.39     | < 0.39     | < 0.13     | < 0.39     | NA         | NA                 | < 0.13     | < 0.39     | < 0.39             | < 0.39     | < 0.25     | < 3.9            | < 1.9            | < 1.9               | < 6.3            | < 0.39       | < 0.39       | < 0.13       | < 0.39         | < 0.13         |  |
| tert-Butylbenzene          | NE           | NE          | < 0.40     | < 0.40     | < 0.18     | < 0.40     | NA         | NA                 | < 0.18     | < 0.40     | < 0.40             | < 0.40     | < 0.35     | < 4.0            | < 2.0            | < 2.0               | < 8.9            | < 0.40       | < 0.40       | < 0.18       | < 0.40         | < 0.18         |  |
| Tetrachloroethene          | 0.5          | 5           | < 0.37     | < 0.37     | < 0.40     | 37         | NA         | NA                 | 33         | 290        | 270                | 240        | 280        | 4700             | 4200             | 4300                | 5900             | < 0.37       | < 0.37       | < 0.40       | < 0.37         | < 0.40         |  |
| Toluene                    | 160          | 800         | < 0.15     | < 0.15     | < 0.32     | < 0.15     | NA         | NA                 | < 0.32     | < 0.15     | < 0.15             | < 0.15     | < 0.64     | < 1.5            | < 0.76           | < 0.76              | < 16             | < 0.15       | < 0.15       | < 0.32       | < 0.15         | < 0.32         |  |
| trans-1,2-Dichloroethene   | 20           | 100         | < 0.35     | < 0.35     | < 0.37     | < 0.35     | NA         | NA                 | < 0.37     | < 0.35     | < 0.35             | < 0.35     | < 0.74     | < 3.5            | < 1.7            | < 1.7               | < 18             | < 0.35       | < 0.35       | < 0.3        |                |                |  |

Table 7: Groundwater Analytical Results Summary - 2024  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-6D          | MW-6D          | MW-6D          | MW-9D      | MW-9D <sup>3</sup> | MW-9D      | MW-9D2     | MW-9D2     | MW-9D2     | 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) | ACTION LIMIT | STANDARD    | 65.5 - 70.5 ft | 65.5 - 70.5 ft | 65.5 - 70.5 ft | 44 - 49 ft | 44 - 49 ft         | 44 - 49 ft | 64 - 69 ft | 64 - 69 ft | 64 - 69 ft | 44 - 48 ft | 44 - 48 ft | 67 - 71 ft | 67 - 71 ft | 81 - 85 ft | 81 - 85 ft | 102 - 106 ft | 102 - 106 ft | 121 - 125 ft | 121 - 125 ft | 135 - 139 ft | 135 - 139 ft |
| SAMPLE DATE                |              |             | 10/12/2023     | 04/24/2024     | 10/23/2024     | 10/12/2023 | 10/12/2023         | 10/22/2024 | 10/12/2023 | 04/24/2024 | 10/22/2024 | 10/10/2023 | 10/21/2024 | 10/10/2023 | 10/21/2024 | 10/9/2023  | 10/21/2024 | 10/9/2023    | 10/21/2024   | 10/9/2023    | 10/21/2024   | 10/9/2023    | 10/21/2024   |
| VOCs                       |              |             |                |                |                |            |                    |            |            |            |            |            |            |            |            |            |            |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.46         | < 0.46         | < 0.62         | < 0.46     | < 0.46             | < 0.16     | < 0.46     | < 0.46     | < 0.78 UJ  | < 0.46     | < 0.31     | < 0.46     | < 0.16     | < 0.46     | < 1.6      | < 0.92       | < 1.6        | < 0.46       | < 0.31       | < 2.3        | < 3.1        |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38         | < 0.38         | < 1.6          | < 0.38     | < 0.38             | < 0.39     | < 0.38     | < 0.38     | < 2.0 UJ   | < 0.38     | < 0.78     | < 0.38     | < 0.39     | < 0.38     | < 3.9      | < 0.76       | < 3.9        | < 0.38       | < 0.78       | < 1.9        | < 7.8        |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.35         | < 0.35         | < 1.1          | < 0.35     | < 0.35             | < 0.27     | < 0.35     | < 0.35     | < 1.4 UJ   | < 0.35     | < 0.54     | < 0.35     | < 0.27     | < 0.35     | < 2.7      | < 0.70       | < 2.7        | < 0.35       | < 0.54       | < 1.8        | < 5.4        |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39         | < 0.39         | < 0.92         | < 0.39     | < 0.39             | < 0.23     | < 0.39     | < 0.39     | < 1.2 UJ   | < 0.39     | < 0.46     | < 0.39     | < 0.23     | < 0.39     | < 2.3      | < 0.78       | < 2.3        | < 0.39       | < 0.46       | < 2.0        | < 4.6        |
| 1,2,4-Trimethylbenzene     | 96           | 480         | 2.9            | 1.2            | 2.0 J          | < 0.36     | < 0.36             | < 0.15     | < 0.36     | < 0.36     | < 0.75 UJ  | < 0.36     | < 0.30     | < 0.36     | < 0.15     | < 0.36     | < 1.5      | < 0.72       | < 1.5        | < 0.36       | < 0.30       | < 1.8        | < 3.0        |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.39         | < 0.39         | < 0.73         | < 0.39     | < 0.39             | < 0.18     | < 0.39     | < 0.39     | < 0.92 UJ  | < 0.39     | < 0.37     | < 0.39     | < 0.18     | < 0.39     | < 1.8      | < 0.77       | < 1.8        | < 0.39       | < 0.37       | < 1.9        | < 3.7        |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33         | < 0.33         | < 0.58         | < 0.33     | < 0.33             | < 0.14     | < 0.33     | < 0.33     | < 0.72 UJ  | < 0.33     | < 0.29     | < 0.33     | < 0.14     | < 0.33     | < 1.4      | < 0.67       | < 1.4        | < 0.33       | < 0.29       | < 1.7        | < 2.9        |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39         | < 0.39         | < 1.1          | < 0.39     | < 0.39             | < 0.28     | < 0.39     | < 0.39     | < 1.4 UJ   | < 0.39     | < 0.56     | < 0.39     | < 0.28     | < 0.39     | < 2.8      | < 0.78       | < 2.8        | < 0.39       | < 0.56       | < 2.0        | < 5.6        |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.43         | < 0.43         | < 0.97         | < 0.43     | < 0.43             | < 0.24     | < 0.43     | < 0.43     | < 1.2 UJ   | < 0.43     | < 0.49     | < 0.43     | < 0.24     | < 0.43     | < 2.4      | < 0.86       | < 2.4        | < 0.43       | < 0.49       | < 2.1        | < 4.9        |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.46         | < 0.46         | < 4.8          | < 0.46     | < 0.46             | < 1.2      | < 0.46     | < 0.46     | < 6.0 UJ   | < 0.46     | < 2.4      | < 0.46     | < 1.2      | < 0.46     | < 12       | < 0.92       | < 12         | < 0.46       | < 2.4        | < 2.3        | < 24         |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.34         | < 0.34         | < 2.3          | < 0.34     | < 0.34             | < 0.58     | < 0.34     | < 0.34     | < 2.9 UJ   | < 0.34     | < 1.2      | < 0.34     | < 0.58     | < 0.34     | < 5.8      | < 0.68       | < 5.8        | < 0.34       | < 1.2        | < 1.7        | < 12         |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.25         | < 0.25         | < 0.48         | < 0.25     | < 0.25             | < 0.12     | < 0.25     | < 0.25     | < 0.61 UJ  | < 0.25     | < 0.24     | < 0.25     | < 0.12     | < 0.25     | < 1.2      | < 0.51       | < 1.2        | < 0.25       | < 0.24       | < 1.3        | < 2.4        |
| 2-Butanone                 | 800          | 4000        | < 2.1          | < 2.1          | < 18           | < 2.1      | < 2.1              | < 4.6      | < 2.1      | < 2.1      | < 23 UJ    | < 2.1      | < 9.2      | < 2.1      | < 4.6      | < 2.1      | < 46       | < 4.2        | < 46         | < 2.1        | < 9.2        | < 11         | < 92         |
| 2-Hexanone                 | NE           | NE          | < 1.6          | < 1.6          | < 3.2          | < 1.6      | < 1.6              | < 0.81     | < 1.6      | < 1.6      | < 4.1 UJ   | < 1.6      | < 1.6      | < 1.6      | < 0.81     | < 1.6      | < 8.1      | < 3.1        | < 8.1        | < 1.6        | < 1.6        | < 7.8        | < 16         |
| 4-Methyl-2-pentanone       | 50           | 500         | < 2.2          | < 2.2          | < 3.9          | < 2.2      | < 2.2              | < 0.98     | < 2.2      | < 2.2      | < 4.9 UJ   | < 2.2      | < 2.0      | < 2.2      | < 0.98     | < 2.2      | < 9.8      | < 4.3        | < 9.8        | < 2.2        | < 2.0        | < 11         | < 20         |
| Acetone                    | 1800         | 9000        | < 1.7          | < 1.7          | < 26           | < 1.7      | < 1.7              | < 6.6      | < 1.7      | < 1.7      | < 33 UJ    | < 3.2 U    | < 13       | < 4.4 U    | < 6.6      | < 1.7      | < 66       | < 7.2 U      | < 66         | < 2.6 U      | < 13         | < 8.7        | < 130        |
| Benzene                    | 0.5          | 5           | 340            | 190            | 200            | < 0.15     | < 0.15             | < 0.14     | < 0.15     | < 0.15     | < 0.72 UJ  | < 0.15     | < 0.29     | < 0.15     | < 0.14     | < 0.15     | < 1.4      | < 0.29       | < 1.4        | < 0.15       | < 0.29       | < 0.73       | < 2.9        |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.37         | < 0.37         | < 0.75         | < 0.37     | < 0.37             | < 0.19     | < 0.37     | < 0.37     | < 0.94 UJ  | < 0.37     | < 0.37     | < 0.37     | < 0.19     | < 0.37     | < 1.9      | < 0.74       | < 1.9        | < 0.37       | < 0.37       | < 1.9        | < 3.7        |
| Bromoform                  | 0.44         | 4.4         | < 0.48         | < 0.48         | < 0.98         | < 0.48     | < 0.48             | < 0.25     | < 0.48     | < 0.48     | < 1.2 UJ   | < 0.48     | < 0.49     | < 0.48     | < 0.25     | < 0.48     | < 2.5      | < 0.97       | < 2.5        | < 0.48       | < 0.49       | < 2.4        | < 4.9        |
| Bromomethane               | 1            | 10          | < 0.80         | < 0.80         | < 9.4          | < 0.80     | < 0.80             | < 2.4      | < 0.80     | < 0.80     | < 12 UJ    | < 0.80     | < 4.7      | < 0.80     | < 2.4      | < 0.80     | < 24       | < 1.6        | < 24         | < 0.80       | < 4.7        | < 4.0        | < 47         |
| Carbon disulfide           | 200          | 1000        | < 0.45         | < 0.45         | < 1.0          | < 0.45     | < 0.45             | < 0.26     | < 0.45     | < 0.45     | < 1.3 UJ   | < 0.45     | < 0.51     | < 0.45     | < 0.26     | < 0.45     | < 2.6      | < 0.90       | < 2.6        | < 0.45       | < 0.51       | < 2.2        | < 5.1        |
| Carbon tetrachloride       | 0.5          | 5           | < 0.38         | < 0.38         | < 0.90         | < 0.38     | < 0.38             | < 0.23     | < 0.38     | < 0.38     | < 1.1 UJ   | < 0.38     | < 0.45     | < 0.38     | < 0.23     | < 0.38     | < 2.3      | < 0.77       | < 2.3        | < 0.38       | < 0.45       | < 1.9        | < 4.5        |
| Chloroethane               | 80           | 400         | < 0.51         | < 0.51         | < 2.6          | < 0.51     | < 0.51             | < 0.64     | < 0.51     | < 0.51     | < 3.2 UJ   | < 0.51     | < 1.3      | < 0.51     | < 0.64     | < 0.51     | < 6.4      | < 1.0        | < 6.4        | < 0.51       | < 1.3        | < 2.5        | < 13         |
| Chloroform                 | 0.6          | 6           | < 0.37         | < 0.37         | < 1.4          | < 0.37     | < 0.37             | < 0.36     | < 0.37     | < 0.37     | < 1.8 UJ   | < 0.37     | < 0.72     | < 0.37     | < 0.38 J   | < 0.37     | < 3.6      | < 0.74       | < 3.6        | < 0.37       | < 0.72       | < 1.9        | < 7.2        |
| Chloromethane              | 3            | 30          | < 0.32         | < 0.32         | < 0.91         | < 0.32     | < 0.32             | < 0.23     | < 0.32     | < 0.32     | < 1.1 UJ   | < 0.32     | < 0.45     | < 0.32     | < 0.23     | < 0.32     | < 2.3      | < 0.64       | < 2.3        | < 0.32       | < 0.45       | < 1.6        | < 4.5        |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.41         | 4.7            | 4.1            | < 0.41     | < 0.41             | < 0.32     | 95         | 74 J+      | 68 J-      | 40         | 48         | 0.96 J     | 1.2        | 190        | 170        | 68           | 51           | 26           | 24           | 110          | 85           |
| Di-isopropyl ether         | NE           | NE          | < 0.28         | < 0.28         | < 4.4          | < 0.28     | < 0.28             | < 1.1      | < 0.28     | < 0.28     | < 5.5 UJ   | < 0.28     | < 2.2      | < 0.28     | < 1.1      | < 0.28     | < 11       | < 0.55       | < 11         | 0.69 J       | < 2.2        | < 1.4        | < 22         |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.67         | < 0.67         | < 1.2          | < 0.67     | < 0.67             | < 0.30     | < 0.67     | < 0.67     | < 1.5 UJ   | < 0.67     | < 0.60     | < 0.67     | < 0.30     | < 0.67     | < 3.0      | < 1.3        | < 3.0        | < 0.67       | < 0.60       | < 3.4        | < 6.0        |
| Ethylbenzene               | 140          | 700         | 14             | 16             | 12             | < 0.18     | < 0.18             | < 0.14     | < 0.18     | < 0.18     | < 0.72 UJ  | < 0.18     | < 0.29     | < 0.18     | < 0.14     | < 0.18     | < 1.4      | < 0.37       | < 1.4        | < 0.18       | < 0.29       | < 0.92       | < 2.9        |
| Isopropylbenzene           | NE           | NE          | 19 J-          | 12             | 16             | < 0.39 J-  | < 0.39 J-          | < 0.16     | < 0.39 J-  | < 0.39     | < 0.79 UJ  | < 0.39 J-  | < 0.31     | < 0.39 J-  | < 0.16     | < 0.39 J-  | < 1.6      | < 0.77 J-    | < 1.6        | < 0.39 J-    | < 0.31       | < 1.9 J-     | < 3.1        |
| m,p-Xylene                 | 400          | 2000        | 8.1            | 3.6            | 4.2 J          | < 0.18     | < 0.18             | < 0.36     | < 0.18     | < 0.18     | < 1.8 UJ   | < 0.18     | < 0.71     | < 0.18     | < 0.36     | < 0.18     | < 3.6      | < 0.36       | < 3.6        | < 0.18       | < 0.71       | < 0.91       | < 7.1        |
| Methyl tert-butyl ether    | 12           | 60          | < 0.39         | < 0.39         | < 1.0          | < 0.39     | < 0.39             | < 0.25     | 6.3        | 5.6 J+     | 3.0 J      | < 0.39     | < 0.50     | < 0.39     | < 0.25     | < 0.39     | < 2.5      | < 0.79       | < 2.5        | < 0.39       | < 0.50       | < 2.0        | < 5.0        |
| Methylene chloride         | 0.5          | 5           | < 1.6          | < 1.6          | < 3.8          | < 1.6      | < 2.2 U            | < 0.94     | < 2.4 U    | < 1.6      | < 4.7 UJ   | < 1.7 U    | < 1.9      | < 1.6      | < 0.94     | < 1.6 U    | < 9.4      | < 3.3        | < 9.4        | < 1.6        | < 1.9        | < 8.2        | < 19         |
| Naphthalene                | 10           | 100         | 5.0            | 3.0            | < 4.0          | < 0.34     | < 0.34             | < 0.99     | < 0.34     | < 0.34     | < 5.0 UJ   | < 0.34     | < 2.0      | < 0.34     | < 0.99     | < 0.34     | < 9.9      | < 0.67       | < 9.9        | < 0.34       | < 2.0        | < 1.7        | < 20         |
| n-Butylbenzene             | NE           | NE          | < 0.39         | < 0.39         | 1.6 J          | < 0.39     | < 0.39             | < 0.23     | < 0.39     | < 0.39     | < 1.2 UJ   | < 0.39     | < 0.47     | < 0.39     | < 0.23     | < 0.39     | < 2.3      | < 0.78       | < 2.3        | < 0.39       | < 0.47       | < 1.9        | < 4.7        |
| n-Hexane                   | 120          | 600         | < 0.49 UJ      | < 0.49         | < 0.65         | < 0.49 UJ  | < 0.49 UJ          | < 0.16     | < 0.49 UJ  | < 0.49     | < 0.82 UJ  | < 0.49 UJ  | < 0.33     | < 0.49 UJ  | < 0.16     | < 0.49 UJ  | < 1.6      | < 0.98 UJ    | < 1.6        | < 0.49 UJ    | < 0.33       | < 2.5 UJ     | < 3.3        |
| n-Propylbenzene            | NE           | NE          | 7.4            | 5.9            | 5.4            | < 0.41     | < 0.41             | < 0.18     | < 0.41     | < 0.41     | < 0.92 UJ  | < 0.41     | < 0.37     | < 0.41     | < 0.18     | < 0.41     | < 1.8      | < 0.83       | < 1.8        | < 0.41       | < 0.37       | < 2.1        | < 3.7        |
| o-Xylene                   | 400          | 2000        | 0.59           | < 0.22         | < 0.68 UJ      | < 0.22     | < 0.22             | < 0.11     | < 0.22     | < 0.22     | < 0.57 UJ  | < 0.22     | < 0.23     | < 0.22     | < 0.11     | < 0.22     | < 1.1      | < 0.44       | < 1.1        | < 0.22       | < 0.23       | < 1.1        | < 2.3        |
| p-Isopropyltoluene         | NE           | NE          | 1.5            | 1.3            | 1.2 J          | < 0.36     | < 0.36             | < 0.19     | < 0.36     | < 0.36     | < 0.93 UJ  | < 0.36     | < 0.37     | < 0.36     | < 0.19     | < 0.36     | < 1.9      | < 0.72       | < 1.9        | < 0.36       | < 0.37       | < 1.8        | < 3.7        |
| sec-Butylbenzene           | NE           | NE          | 2.7            | 2.0            | 4.1            | < 0.40     | < 0.40             | < 0.20     | < 0.40     | < 0.40     | < 1.0 UJ   | < 0.40     | < 0.41     | < 0.40     | < 0.20     | < 0.40     | < 2.0      | < 0.80       | < 2.0        | < 0.40       | < 0.41       | < 2.0        | < 4.1        |
| Styrene                    | 10           | 100         | 0.91 J         | 0.63 J         | 0.84 J         | < 0.39     | < 0.39             | < 0.13     | < 0.39     | < 0.39     | < 0.63 UJ  | < 0.39     | < 0.25     | < 0.39     | < 0.13     | < 0.39     | < 1.3      | < 0.77       | < 1.3        | < 0.39       | < 0.25       | < 1.9        | < 2.5        |
| tert-Butylbenzene          | NE           | NE          | 0.46 J         | < 0.40         | < 0.71         | < 0.40     |                    |            |            |            |            |            |            |            |            |            |            |              |              |              |              |              |              |

Table 7: Groundwater Analytical Results Summary - 2024  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MP-13        | MP-13        | 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-16        | MP-16        |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | PREVENTIVE   | ENFORCEMENT | 163 - 167 ft | 163 - 167 ft | 100 - 105 ft | 100 - 105 ft | 135 - 140 ft | 135 - 140 ft | 135 - 140 ft | 170 - 178 ft | 170 - 178 ft | 88 - 92 ft | 88 - 92 ft | 100 - 105 ft | 100 - 105 ft | 120 - 125 ft | 120 - 125 ft | 142 - 146 ft | 142 - 146 ft | 177 - 187 ft | 177 - 187 ft | 106 - 116 ft | 106 - 116 ft |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 10/9/2023    | 10/22/2024   | 10/9/2023    | 10/22/2024   | 10/9/2023    | 04/22/2024   | 10/22/2024   | 10/10/2023   | 10/22/2024   | 10/10/2023 | 10/22/2024 | 10/10/2023   | 10/22/2024   | 10/10/2023   | 10/22/2024   | 10/10/2023   | 10/22/2024   | 10/10/2023   | 10/22/2024   | 10/10/2023   | 10/22/2024   |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |              |            |            |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.46       | < 0.31       | < 0.46       | < 0.16       | < 0.46       | < 0.46       | < 0.16       | < 0.92       | < 0.78       | < 0.46     | < 0.31     | < 0.46       | < 1.6        | < 0.46       | < 1.6        | < 0.92       | < 3.9        | < 0.46       | < 0.16       | < 0.46       | < 0.16       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38       | < 0.78       | < 0.38       | < 0.39       | < 0.38       | < 0.38       | < 0.39       | < 0.76       | < 2.0        | < 0.38     | < 0.78     | < 0.38       | < 3.9        | < 0.38       | < 3.9        | < 0.76       | < 9.8        | < 0.38       | < 0.39       | < 0.38       | < 0.39       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.35       | < 0.54       | < 0.35       | < 0.27       | < 0.35       | < 0.35       | < 0.27       | < 0.70       | < 1.4        | < 0.35     | < 0.54     | < 0.35       | < 2.7        | < 0.35       | < 2.7        | < 0.70       | < 6.8        | < 0.35       | < 0.27       | < 0.35       | < 0.27       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39       | < 0.46       | < 0.39       | < 0.23       | < 0.39       | < 0.39       | < 0.23       | < 0.78       | < 1.2        | < 0.39     | < 0.46     | < 0.39       | < 2.3        | < 0.39       | < 2.3        | < 0.78       | < 5.8        | < 0.39       | < 0.23       | < 0.39       | < 0.23       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.30       | < 0.36       | < 0.15       | < 0.36       | < 0.36       | < 0.15       | < 0.72       | < 0.75       | < 0.36     | < 0.30     | < 0.36       | < 1.5        | < 0.36       | < 1.5        | < 0.72       | < 3.8        | < 0.36       | < 0.15       | < 0.36       | < 0.15       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.39       | < 0.37       | < 0.39       | < 0.18       | < 0.39       | < 0.39       | < 0.18       | < 0.77       | < 0.92       | < 0.39     | < 0.37     | < 0.39       | < 1.8        | < 0.39       | < 1.8        | < 0.77       | < 4.6        | < 0.39       | < 0.18       | < 0.39       | < 0.18       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33       | < 0.29       | < 0.33       | < 0.14       | < 0.33       | < 0.33       | < 0.14       | < 0.67       | < 0.72       | < 0.33     | < 0.29     | < 0.33       | < 1.4        | < 0.33       | < 1.4        | < 0.67       | < 3.6        | < 0.33       | < 0.14       | < 0.33       | < 0.14       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39       | < 0.56       | < 0.39       | < 0.28       | < 0.39       | < 0.39       | < 0.28       | < 0.78       | < 1.4        | < 0.39     | < 0.56     | < 0.39       | < 2.8        | < 0.39       | < 2.8        | < 0.78       | < 7.1        | < 0.39       | < 0.28       | < 0.39       | < 0.28       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.43       | < 0.49       | < 0.43       | < 0.24       | < 0.43       | < 0.43       | < 0.24       | < 0.86       | < 1.2        | < 0.43     | < 0.49     | < 0.43       | < 2.4        | < 0.43       | < 2.4        | < 0.86       | < 6.1        | < 0.43       | < 0.24       | < 0.43       | < 0.24       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.46       | < 2.4        | < 0.46       | < 1.2        | < 0.46       | < 0.46       | < 1.2        | < 0.92       | < 6.0        | < 0.46     | < 2.4      | < 0.46       | < 12         | < 0.46       | < 12         | < 0.92       | < 30         | < 0.46       | < 1.2        | < 0.46       | < 1.2        |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.34       | < 1.2        | < 0.34       | < 0.58       | < 0.34       | < 0.34       | < 0.58       | < 0.68       | < 2.9        | < 0.34     | < 1.2      | < 0.34       | < 5.8        | < 0.34       | < 5.8        | < 0.68       | < 15         | < 0.34       | < 0.58       | < 0.34       | < 0.58       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.25       | < 0.24       | < 0.25       | < 0.12       | < 0.25       | < 0.25       | < 0.12       | < 0.51       | < 0.61       | < 0.25     | < 0.24     | < 0.25       | < 1.2        | < 0.25       | < 1.2        | < 0.51       | < 3.0        | < 0.25       | < 0.12       | < 0.25       | < 0.12       |
| 2-Butanone                 | 800          | 4000        | < 2.1        | < 9.2        | < 2.1        | < 4.6        | < 2.1        | < 2.1        | < 4.6        | < 4.2        | < 23         | < 2.1      | < 9.2      | < 2.1        | < 46         | < 2.1        | < 46         | < 4.2        | < 120        | < 2.1        | < 4.6        | < 2.1        | < 4.6        |
| 2-Hexanone                 | NE           | NE          | < 1.6        | < 1.6        | < 1.6        | < 0.81       | < 1.6        | < 1.6        | < 0.81       | < 3.1        | < 4.1        | < 1.6      | < 1.6      | < 1.6        | < 8.1        | < 1.6        | < 8.1        | < 3.1        | < 20         | < 1.6        | < 0.81       | < 1.6        | < 0.81       |
| 4-Methyl-2-pentanone       | 50           | 500         | < 2.2        | < 2.0        | < 2.2        | < 0.98       | < 2.2        | < 2.2        | < 0.98       | < 4.3        | < 4.9        | < 2.2      | < 2.0      | < 2.2        | < 9.8        | < 2.2        | < 9.8        | < 4.3        | < 25         | < 2.2        | < 0.98       | < 2.2        | < 0.98       |
| Acetone                    | 1800         | 9000        | 17 J         | < 13         | < 1.7        | < 6.6        | < 1.7        | < 1.7        | < 6.6        | < 3.5        | < 33         | < 1.7      | < 13       | < 1.7        | < 66         | < 1.7        | < 66         | < 3.5        | < 170        | < 1.7        | < 6.6        | < 1.7        | < 6.6        |
| Benzene                    | 0.5          | 5           | < 0.15       | < 0.29       | < 0.15       | < 0.14       | < 0.15       | < 0.15       | < 0.14       | < 0.29       | < 0.72       | < 0.15     | < 0.29     | < 0.15       | < 1.4        | < 0.15       | < 1.4        | < 0.29       | < 3.6        | < 0.15       | < 0.14       | < 0.15       | < 0.14       |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.37       | < 0.37       | < 0.37       | < 0.19       | < 0.37       | < 0.37       | < 0.19       | < 0.74       | < 0.94       | < 0.37     | < 0.37     | < 0.37       | < 1.9        | < 0.37       | < 1.9        | < 0.74       | < 4.7        | < 0.37       | < 0.19       | < 0.37       | < 0.19       |
| Bromoform                  | 0.44         | 4.4         | < 0.48       | < 0.49       | < 0.48       | < 0.25       | < 0.48       | < 0.48       | < 0.25       | < 0.97       | < 1.2        | < 0.48     | < 0.49     | < 0.48       | < 2.5        | < 0.48       | < 2.5        | < 0.97       | < 6.1        | < 0.48       | < 0.25       | < 0.48       | < 0.25       |
| Bromomethane               | 1            | 10          | < 0.80       | < 4.7        | < 0.80       | < 2.4        | < 0.80       | < 0.80       | < 2.4        | < 1.6        | < 12         | < 0.80     | < 4.7      | < 0.80       | < 24         | < 0.80       | < 24         | < 1.6        | < 59         | < 0.80       | < 2.4        | < 0.80       | < 2.4        |
| Carbon disulfide           | 200          | 1000        | < 0.45       | < 0.51       | < 0.45       | < 0.26       | < 0.45       | < 0.45       | < 0.26       | < 0.90       | < 1.3        | < 0.45     | < 0.51     | < 0.45       | < 2.6        | < 0.45       | < 2.6        | < 0.90       | < 6.4        | < 0.45       | < 0.26       | < 0.45       | < 0.26       |
| Carbon tetrachloride       | 0.5          | 5           | < 0.38       | < 0.45       | < 0.38       | < 0.23       | < 0.38       | < 0.38       | < 0.23       | < 0.77       | < 1.1        | < 0.38     | < 0.45     | < 0.38       | < 2.3        | < 0.38       | < 2.3        | < 0.77       | < 5.7        | < 0.38       | < 0.23       | < 0.38       | < 0.23       |
| Chloroethane               | 80           | 400         | < 0.51       | < 1.3        | < 0.51       | < 0.64       | < 0.51       | < 0.51       | < 0.64       | < 1.0        | < 3.2        | < 0.51     | < 1.3      | < 0.51       | < 6.4        | < 0.51       | < 6.4        | < 1.0        | < 16         | < 0.51       | < 0.64       | < 0.51       | < 0.64       |
| Chloroform                 | 0.6          | 6           | < 0.37       | < 0.72       | < 0.37       | < 0.36       | < 0.37       | < 0.37       | < 0.36       | < 0.74       | < 1.8        | < 0.37     | < 0.72     | < 0.37       | < 3.6        | < 0.37       | < 3.6        | < 0.74       | < 9.0        | < 0.37       | < 0.36       | < 0.37       | < 0.36       |
| Chloromethane              | 3            | 30          | < 0.32       | < 0.45       | < 0.32       | < 0.23       | < 0.32       | < 0.32       | < 0.23       | < 0.64       | < 1.1        | < 0.32     | < 0.45     | < 0.32       | < 2.3        | < 0.32       | < 2.3        | < 0.64       | < 5.7        | < 0.32       | < 0.23       | < 0.32       | < 0.23       |
| cis-1,2-Dichloroethene     | 7            | 70          | 29           | 27           | < 0.41       | < 0.32       | 1.2          | 0.84 J       | 0.68 J       | 32           | 19           | 27         | 25         | 30           | < 3.2        | 38           | 33           | 89           | 47           | < 0.41       | < 0.32       | 3.6          | 2.7          |
| Di-isopropyl ether         | NE           | NE          | < 0.28       | < 2.2        | < 0.28       | < 1.1        | < 0.28       | < 0.28       | < 1.1        | < 0.55       | < 5.5        | < 0.28     | < 2.2      | < 0.28       | < 11         | < 0.28       | < 11         | < 0.55       | < 27         | < 0.28       | < 1.1        | < 0.28       | < 1.1        |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.67       | < 0.60       | < 0.67       | < 0.30       | < 0.67       | < 0.67       | < 0.30       | < 1.3        | < 1.5        | < 0.67     | < 0.60     | < 0.67       | < 3.0        | < 0.67       | < 3.0        | < 1.3        | < 7.5        | < 0.67       | &            |              |              |



Table 7: Groundwater Analytical Results Summary - 2024  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MP-16        | MP-16        | MP-16        | MP-16        | MP-16        | MW-17        | MW-17        | MW-17        | MW-25D       | MW-25D       | MW-25D2      | MW-25D2      | MW-25D2      | MW-27D       | MW-27D       | MW-27D       | MW-27D <sup>3</sup> | MW-27D2      | MW-27D2      | MW-28      | MW-28      | MW-28 <sup>3</sup> |  |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------|--------------|--------------|------------|------------|--------------------|--|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 140 - 144 ft | 140 - 144 ft | 140 - 144 ft | 175 - 179 ft | 175 - 179 ft | 160 - 170 ft | 160 - 170 ft | 160 - 170 ft | 120 - 130 ft | 120 - 130 ft | 160 - 170 ft | 160 - 170 ft | 160 - 170 ft | 130 - 140 ft | 130 - 140 ft | 130 - 140 ft | 130 - 140 ft        | 170 - 180 ft | 170 - 180 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft         |  |
| SAMPLE DATE                |              |             | 10/10/2023   | 04/22/2024   | 10/22/2024   | 10/10/2023   | 10/22/2024   | 10/12/2023   | 04/24/2024   | 10/23/2024   | 10/11/2023   | 10/23/2024   | 10/11/2023   | 04/23/2024   | 10/23/2024   | 10/11/2023   | 04/23/2024   | 10/23/2024   | 10/23/2024          | 10/11/2023   | 10/23/2024   | 10/16/2023 | 10/25/2024 | 10/25/2024         |  |
| VOCS                       |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                     |              |              |            |            |                    |  |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.46       | < 0.46       | < 0.16       | < 0.46       | < 0.16       | < 0.46       | < 0.46       | < 1.6        | < 0.46       | < 0.16       | < 0.46       | < 0.46       | < 0.16       | < 0.46       | < 0.46       | < 0.16       | < 0.16              | < 0.46       | < 0.16       | < 0.46     | < 1.6      | < 0.78             |  |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38       | < 0.38       | < 0.39       | < 0.38       | < 0.39       | < 0.38       | < 0.38       | < 3.9        | < 0.38       | < 0.39       | < 0.38       | < 0.38       | < 0.39       | < 0.38       | < 0.38       | < 0.39       | < 0.39              | < 0.38       | < 0.39       | < 0.38     | < 3.9      | < 2.0              |  |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.35       | < 0.35       | < 0.27       | < 0.35       | < 0.27       | < 0.35       | < 0.35       | < 2.7        | < 0.35       | < 0.27       | < 0.35       | < 0.35       | < 0.27       | < 0.35       | < 0.35       | < 0.27       | < 0.27              | < 0.35       | < 0.27       | < 0.35     | < 2.7      | < 1.4              |  |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39       | < 0.39       | < 0.23       | < 0.39       | < 0.23       | 0.54 J       | < 0.39       | < 2.3        | < 0.39       | < 0.23       | < 0.39       | < 0.39       | < 0.23       | < 0.39       | < 0.39       | < 0.23       | < 0.23              | < 0.39       | < 0.23       | < 0.39     | < 2.3      | < 1.2              |  |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.36       | < 0.15       | < 0.36       | < 0.15       | < 0.36       | < 0.36       | < 1.5        | < 0.36       | < 0.15       | < 0.36       | < 0.36       | < 0.15       | < 0.36       | < 0.36       | < 0.15       | < 0.15              | < 0.36       | < 0.15       | < 0.36     | < 1.5      | < 0.75             |  |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.39       | < 0.39       | < 0.18       | < 0.39       | < 0.18       | < 0.39       | < 0.39       | < 1.8        | < 0.39       | < 0.18       | < 0.39       | < 0.39       | < 0.18       | < 0.39       | < 0.39       | < 0.18       | < 0.18              | < 0.39       | < 0.18       | < 0.39     | < 1.8      | < 0.92             |  |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33       | < 0.33       | < 0.14       | < 0.33       | < 0.14       | < 0.33       | < 0.33       | < 1.4        | < 0.33       | < 0.14       | < 0.33       | < 0.33       | < 0.14       | < 0.33       | < 0.33       | < 0.14       | < 0.14              | < 0.33       | < 0.14       | < 0.33     | < 1.4      | < 0.72             |  |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39       | < 0.39       | < 0.28       | < 0.39       | < 0.28       | < 0.39       | < 0.39       | < 2.8        | < 0.39       | < 0.28       | < 0.39       | < 0.39       | < 0.28       | < 0.39       | < 0.39       | < 0.28       | < 0.28              | < 0.39       | < 0.28       | < 0.39     | < 2.8      | < 1.4              |  |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.43       | < 0.43       | < 0.24       | < 0.43       | < 0.24       | < 0.43       | < 0.43       | < 2.4        | < 0.43       | < 0.24       | < 0.43       | < 0.43       | < 0.24       | < 0.43       | < 0.43       | < 0.24       | < 0.24              | < 0.43       | < 0.24       | < 0.43     | < 2.4      | < 1.2              |  |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.46       | < 0.46       | < 1.2        | < 0.46       | < 1.2        | < 0.46       | < 0.46       | < 12         | < 0.46       | < 1.2        | < 0.46       | < 0.46       | < 1.2        | < 0.46       | < 0.46       | < 1.2        | < 1.2               | < 0.46       | < 1.2        | < 0.46     | < 12       | < 6.0              |  |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.34       | < 0.34       | < 0.58       | < 0.34       | < 0.58       | < 0.34       | < 0.34       | < 5.8        | < 0.34       | < 0.58       | < 0.34       | < 0.34       | < 0.58       | < 0.34       | < 0.34       | < 0.58       | < 0.58              | < 0.34       | < 0.58       | < 0.34     | < 5.8      | < 2.9              |  |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.25       | < 0.25       | < 0.12       | < 0.25       | < 0.12       | < 0.25       | < 0.25       | < 1.2        | < 0.25       | < 0.12       | < 0.25       | < 0.25       | < 0.12       | < 0.25       | < 0.25       | < 0.12       | < 0.12              | < 0.25       | < 0.12       | < 0.25     | < 1.2      | < 0.61             |  |
| 2-Butanone                 | 800          | 4000        | < 2.1        | < 2.1        | < 4.6        | < 2.1        | < 4.6        | < 2.1        | < 2.1        | < 46         | < 2.1        | < 4.6        | < 2.1        | < 2.1        | < 4.6        | < 2.1        | < 2.1        | < 4.6        | < 4.6               | < 2.1        | < 4.6        | < 2.1      | < 4.6      | < 23               |  |
| 2-Hexanone                 | NE           | NE          | < 1.6        | < 1.6        | < 0.81       | < 1.6        | < 0.81       | < 1.6        | < 1.6        | < 8.1        | < 1.6        | < 0.81       | < 1.6        | < 1.6        | < 0.81       | < 1.6        | < 1.6        | < 0.81       | < 0.81              | < 1.6        | < 0.81       | < 1.6      | < 8.1      | < 4.1              |  |
| 4-Methyl-2-pentanone       | 50           | 500         | < 2.2        | < 2.2        | < 0.98       | < 2.2        | < 0.98       | < 2.2        | < 2.2        | < 9.8        | < 2.2        | < 0.98       | < 2.2        | < 2.2        | < 0.98       | < 2.2        | < 2.2        | < 0.98       | < 0.98              | < 2.2        | < 0.98       | < 2.2      | < 9.8      | < 4.9              |  |
| Acetone                    | 1800         | 9000        | < 1.7        | 1.9 J        | < 6.6        | < 1.7        | < 6.6        | < 1.7        | < 1.7        | < 66         | < 1.7        | < 6.6        | < 1.7        | < 1.7        | < 6.6        | < 1.7        | < 1.7        | < 6.6        | < 6.6               | < 1.7        | < 6.6        | < 2.2 U    | < 66       | < 33               |  |
| Benzene                    | 0.5          | 5           | < 0.15       | < 0.15       | < 0.14       | < 0.15       | < 0.14       | < 0.15       | < 0.15       | < 1.4        | < 0.15       | < 0.14       | < 0.15       | < 0.15       | < 0.14       | < 0.15       | < 0.15       | < 0.14       | < 0.14              | < 0.15       | < 0.14       | < 0.15     | < 1.4      | < 0.72             |  |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.37       | < 0.37       | < 0.19       | < 0.37       | < 0.19       | < 0.37       | < 0.37       | < 1.9        | < 0.37       | < 0.19       | < 0.37       | < 0.37       | < 0.19       | < 0.37       | < 0.37       | < 0.19       | < 0.19              | < 0.37       | < 0.19       | < 0.37     | < 1.9      | < 0.94             |  |
| Bromoform                  | 0.44         | 4.4         | < 0.48       | < 0.48       | < 0.25       | < 0.48       | < 0.25       | < 0.48       | < 0.48       | < 2.5        | < 0.48       | < 0.25       | < 0.48       | < 0.48       | < 0.25       | < 0.48       | < 0.48       | < 0.25       | < 0.25              | < 0.48       | < 0.25       | < 0.48     | < 2.5      | < 1.2              |  |
| Bromomethane               | 1            | 10          | < 0.80       | < 0.80       | < 2.4        | < 0.80       | < 2.4        | < 0.80       | < 0.80       | < 24         | < 0.80       | < 2.4        | < 0.80       | < 0.80       | < 2.4        | < 0.80       | < 0.80       | < 2.4        | < 2.4               | < 0.80       | < 2.4        | < 0.80     | < 24       | < 12               |  |
| Carbon disulfide           | 200          | 1000        | < 0.45       | < 0.45       | < 0.26       | < 0.45       | < 0.26       | < 0.45       | < 0.45       | < 2.6        | < 0.45       | < 0.26       | < 0.45       | < 0.45       | < 0.26       | < 0.45       | < 0.45       | < 0.26       | < 0.26              | < 0.45       | < 0.26       | < 0.45     | < 2.6      | < 1.3              |  |
| Carbon tetrachloride       | 0.5          | 5           | < 0.38       | < 0.38       | < 0.23       | < 0.38       | < 0.23       | 0.53 J       | < 0.38       | < 2.3        | < 0.38       | < 0.23       | < 0.38       | < 0.38       | < 0.23       | < 0.38       | < 0.38       | < 0.23       | < 0.23              | < 0.38       | < 0.23       | < 0.38     | < 2.3      | < 1.1              |  |
| Chloroethane               | 80           | 400         | < 0.51       | < 0.51       | < 0.64       | < 0.51       | < 0.64       | < 0.51       | < 0.51       | < 6.4        | < 0.51       | < 0.64       | < 0.51       | < 0.51       | < 0.64       | < 0.51       | < 0.51       | < 0.64       | < 0.64              | < 0.51       | < 0.64       | < 0.51     | < 6.4      | < 3.2              |  |
| Chloroform                 | 0.6          | 6           | < 0.37       | < 0.37       | < 0.36       | < 0.37       | < 0.36       | 0.67 J       | < 0.37       | < 3.6        | < 0.37       | < 0.36       | < 0.37       | < 0.37       | < 0.36       | < 0.37       | < 0.37       | < 0.36       | < 0.36              | < 0.37       | < 0.36       | < 0.37     | < 3.6      | < 1.8              |  |
| Chloromethane              | 3            | 30          | < 0.32       | < 0.32       | < 0.23       | < 0.32       | < 0.23       | < 0.32       | < 0.32       | < 2.3        | < 0.32       | < 0.23       | < 0.32       | < 0.32       | < 0.23       | < 0.32       | < 0.32       | < 0.23       | < 0.23              | < 0.32       | < 0.23       | 0.90 J     | < 2.3      | < 1.1              |  |



Table 7: Groundwater Analytical Results Summary - 2024  
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 - Field duplicate.

Updated By: J. Esser, 12/5/2024  
Checked By: L. Auner, 12/10/2024

**Data Qualifiers:**  
J = Estimated concentration  
J+ = Estimated concentration with a potential high bias  
J- = Estimated concentration with a potential low bias  
UJ = Non-detect; estimated detection limit  
U = Non-detect at the reported limit  
B = Compound was found in the blank and sample.  
cn = Laboratory Contaminant.  
E = Estimated concentration, exceeds instrumental calibration range.

**General Notes:**  
All concentrations noted in this table are reported in micrograms per liter (µg/L) unless otherwise noted.  
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 concentration below the reported limit  
bgs = Below Ground Surface  
NA = Not Analyzed  
ND = Not Detected  
NE = Not Established  
PCBs = Polychlorinated biphenyls  
VOCs = Volatile Organic Compounds

**Table 8: Storm Sewer System Soil/Sediment Sampling Analytical Results Summary**  
**Madison-Kipp Corporation**  
**201 Waubesa Street, Madison, Wisconsin**

| Parameter   | Unit <sup>(2)</sup> | NR 720 RCL<br>Industrial<br>Direct<br>Contact <sup>(1)</sup> | MH-1A             |                     |                  |                  | Outfall Sample <sup>(3)</sup> |                         |                    |                        |
|-------------|---------------------|--------------------------------------------------------------|-------------------|---------------------|------------------|------------------|-------------------------------|-------------------------|--------------------|------------------------|
|             |                     |                                                              | MH-1A<br>(041923) | MH-1A<br>(10092023) | 050824-<br>MH-1A | 110124-<br>MH-1A | Outfall-<br>041923-S          | Outfall -<br>(10092023) | 050824-<br>OUTFALL | 110124-<br>OUTFALL     |
| Sample ID   | --                  | --                                                           |                   |                     |                  |                  |                               |                         |                    |                        |
| Sample Date | --                  | --                                                           | 4/19/2023         | 10/9/2023           | 5/8/2024         | 11/1/2024        | 4/19/2023                     | 10/9/2023               | 5/8/2024           | 11/1/2024              |
| Matrix      | --                  | --                                                           | Soil              | Soil                | Soil             | Soil             | Soil                          | Soil                    | Soil               | Soil                   |
| PCB-1016    | mg/kg               | 28                                                           | <0.0095           | <0.00027            | <0.0013          | <0.00063         | <0.0092                       | <0.00027                | <0.00026           | <0.00084 <sup>^c</sup> |
| PCB-1221    | mg/kg               | 0.883                                                        | <0.0095           | <0.00030            | <0.0014          | <0.00069         | <0.0092                       | <0.00029                | <0.00029           | <0.00092               |
| PCB-1232    | mg/kg               | 0.792                                                        | <0.0065           | <0.00020            | <0.00099         | <0.00047         | <0.0063                       | <0.00020                | <0.00020           | <0.00063               |
| PCB-1242    | mg/kg               | 0.972                                                        | <0.0094           | <0.00012            | <0.00059         | <0.00028         | <0.0091                       | <0.00012                | <0.00012           | <0.00038               |
| PCB-1248    | mg/kg               | 0.975                                                        | 0.068             | 0.22                | 0.210            | 0.130            | 0.29                          | 0.24                    | 0.180              | 0.140                  |
| PCB-1254    | mg/kg               | 0.988                                                        | <0.0082           | <0.00025            | <0.0012          | <0.00058         | <0.0079                       | <0.00025                | <0.00024           | <0.00077               |
| PCB-1260    | mg/kg               | 1                                                            | <0.0091           | <0.00024            | 0.023            | <0.00055         | <0.0088                       | <0.00024                | <0.00023           | <0.00073               |
| Total PCBs  | mg/kg               | 0.967                                                        | 0.068             | 0.22                | 0.23             | 0.13             | 0.29                          | 0.24                    | 0.18               | 0.14                   |

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: M. Holicky 12/6/2024

Checked by: M. Wagler 1/27/2025

Footnotes:

<sup>(1)</sup> The total PCBs and specific aroclors are compared to the WDNR industrial direct contact residual contaminant levels (December 2018).

<sup>(2)</sup> Samples are reported in mg/kg unless otherwise noted.

<sup>(3)</sup> Sample collected from within the Outfall pipe entering the rain garden. If no sediment was present in pipe, sample collected from base of garden at pipe entrance.

<sup>(4)</sup> Sample collected approximately 3 ft north of the Outfall pipe in the base of the garden, depth 0-6 inches.

<sup>(5)</sup> Sample collected along fence section that crosses the rain garden, depth 0-6".

**Table 9: Storm Sewer System Water Sampling Analytical Results Summary**  
**Madison-Kipp Corporation**  
**201 Waubesa Street, Madison, Wisconsin**

| Parameter   | Unit | NR 140<br>Enforcement<br>Standard <sup>(1)</sup> | NR 140<br>Preventive<br>Action Limit <sup>(1)</sup> | Outfall Sample <sup>(2)</sup> |                    |          |                  |
|-------------|------|--------------------------------------------------|-----------------------------------------------------|-------------------------------|--------------------|----------|------------------|
|             |      |                                                  |                                                     | OUTFALL (050123)-W            | OUTFALL (10182023) | 050824-W | 110124-Outfall-W |
| Sample ID   | --   | --                                               | --                                                  |                               |                    |          |                  |
| Sample Date | --   | --                                               | --                                                  | 5/1/2023                      | 10/18/2023         | 5/8/2024 | 11/1/2024        |
| Matrix      | --   | --                                               | --                                                  | Water                         | Water              | Water    | Water            |
| PCB-1016    | µg/L | --                                               | --                                                  | <0.0048                       | <0.0049            | <0.0047  | <0.0048          |
| PCB-1221    | µg/L | --                                               | --                                                  | <0.0057                       | <0.0058            | <0.0056  | <0.0057          |
| PCB-1232    | µg/L | --                                               | --                                                  | <0.0052                       | <0.0053            | <0.0051  | <0.0052          |
| PCB-1242    | µg/L | --                                               | --                                                  | <0.0036                       | <0.0036            | <0.0035  | <0.0036          |
| PCB-1248    | µg/L | --                                               | --                                                  | <0.0080                       | <0.0082            | <0.0079  | <0.0080          |
| PCB-1254    | µg/L | --                                               | --                                                  | <0.0046                       | <0.0047            | <0.0045  | <0.0046          |
| PCB-1260    | µg/L | --                                               | --                                                  | <0.0039                       | <0.0040            | <0.0038  | <0.0039          |
| Total PCBs  | µg/L | 0.03                                             | 0.003                                               | <0.0080                       | <0.0082            | <0.0079  | <0.0080          |

Notes:

< = Less than the laboratory limit of detection

µg/L = micrograms per liter

PCBs = Polychlorinated Biphenyls

Bold and Italics = WDNR NR 140 Exceedance

Updated by: M. Holicky 12/6/2024

Checked by: M. Wagler 1/27/2025

Footnotes:

<sup>(1)</sup> The total PCBs are compared to the WDNR NR 140 Public Health Groundwater Quality Standards (June 2021).

<sup>(2)</sup> Sample collected from the rain garden near the storm sewer outfall pipe that discharges into the rain garden.

**Table 10: Groundwater Monitoring Plan - 2025**  
**Madison-Kipp Corporation**  
**201 Waubesa Street**  
**Madison, Wisconsin**

| Well/<br>Point ID | Bedrock Unit                       | Screened<br>Interval<br>(ft bgs) | April &<br>October<br>Gauging      | April<br>VOC<br>Sampling | April<br>PCB<br>Sampling | October<br>VOC<br>Sampling | Pump<br>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                          | Peristaltic  |
| MW-3D2            | Lower Lone Rock                    | 76-81                            | x                                  | x                        |                          | x                          | Peristaltic  |
| MW-3D3            | Lower Wonewoc                      | 214-224                          | x                                  |                          |                          | x                          | GeoSub       |
| MW-4S             | Unconsolidated/<br>Upper Lone Rock | 35-50                            | x                                  |                          |                          |                            | NA           |
| MW-4D             | Upper Lone Rock                    | 65-70                            | x                                  |                          |                          |                            | NA           |
| MW-4D2            | Lower Lone Rock                    | 91-96                            | x                                  | x                        |                          | x                          | Bladder      |
| MW-5S             | Upper Lone Rock                    | 34-44                            | 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/<br>Upper Lone Rock | 32-42                            | 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                                  |                          |                          |                            | 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                                  |                          |                          |                            | 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                          | Peristaltic  |
| MW-29S            | Unconsolidated                     | 24-34                            | x                                  |                          |                          |                            | Peristaltic  |
| MW-29D            | Upper Lone Rock                    | 45-50                            | 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           |

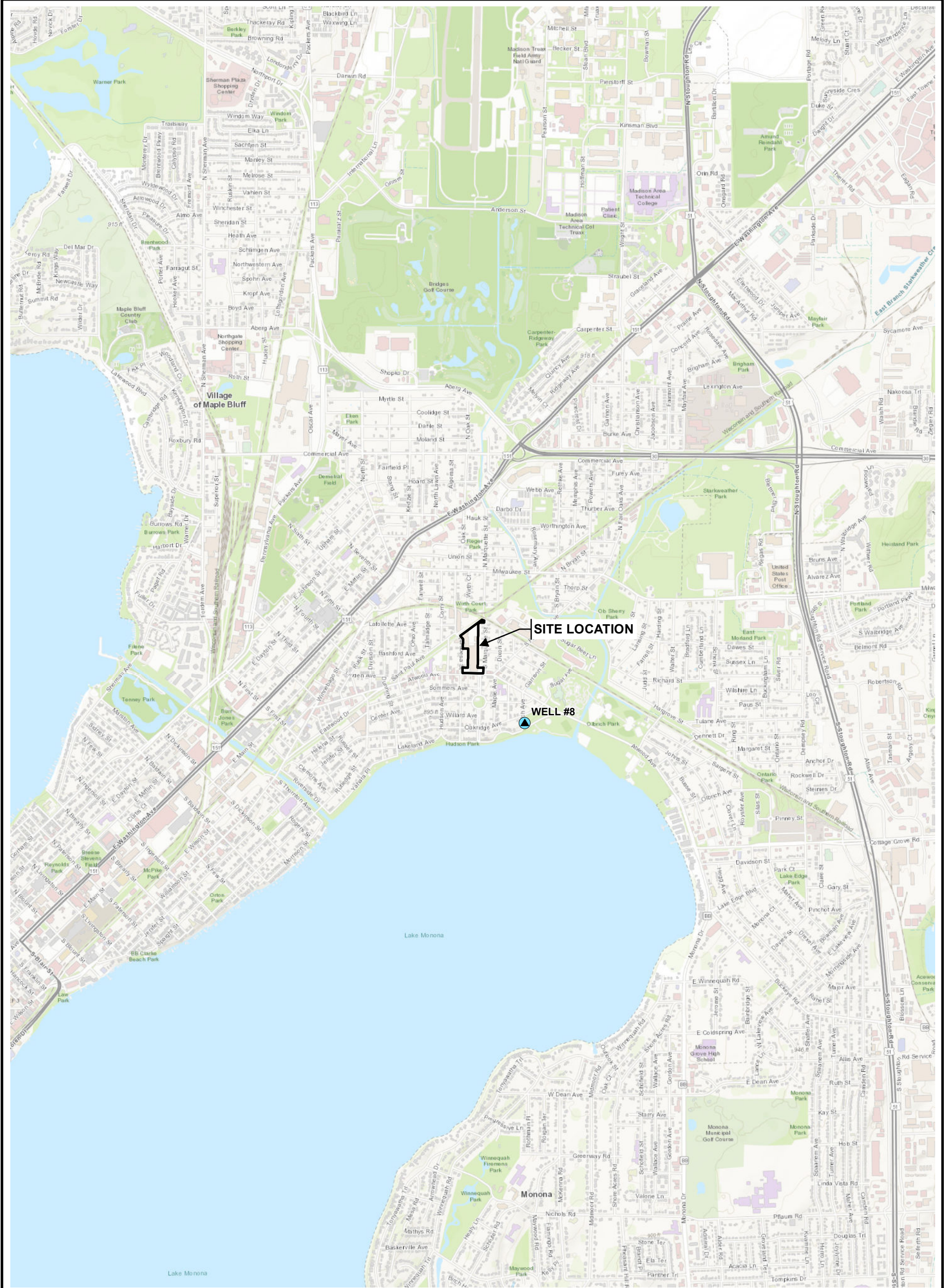
**Table 10: Groundwater Monitoring Plan - 2025**  
**Madison-Kipp Corporation**  
**201 Waubesa Street**  
**Madison, Wisconsin**

| <b>Well/<br/>Point ID</b>   | <b>Bedrock Unit</b> | <b>Screened<br/>Interval<br/>(ft bgs)</b> | <b>April &amp;<br/>October<br/>Gauging</b> | <b>April<br/>VOC<br/>Sampling</b> | <b>April<br/>PCB<br/>Sampling</b> | <b>October<br/>VOC<br/>Sampling</b> | <b>Pump<br/>Type</b> |
|-----------------------------|---------------------|-------------------------------------------|--------------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|----------------------|
| 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                   |
| <b>Total Sample Points:</b> |                     |                                           | <b>55</b>                                  | <b>15</b>                         | <b>1</b>                          | <b>40</b>                           |                      |

Notes:

\* = The GWE-1 influent sample results from quarterly performance monitoring will be used.





LEGEND

SITE PROPERTY BOUNDARY

MUNICIPAL SUPPLY WELL

PROJECT:

MADISON-KIPP CORPORATION  
201 WAUBESA STREET  
MADISON, WISCONSIN

TITLE:

SITE LOCATION MAP

DRAWN BY:

A. FOJTIK

CHECKED BY:

M. HOLICKY

APPROVED BY:

S. SELLWOOD

DATE:

FEBRUARY 2025

PROJ. NO.:

638916

FILE:

638916-001.mxd

020004000

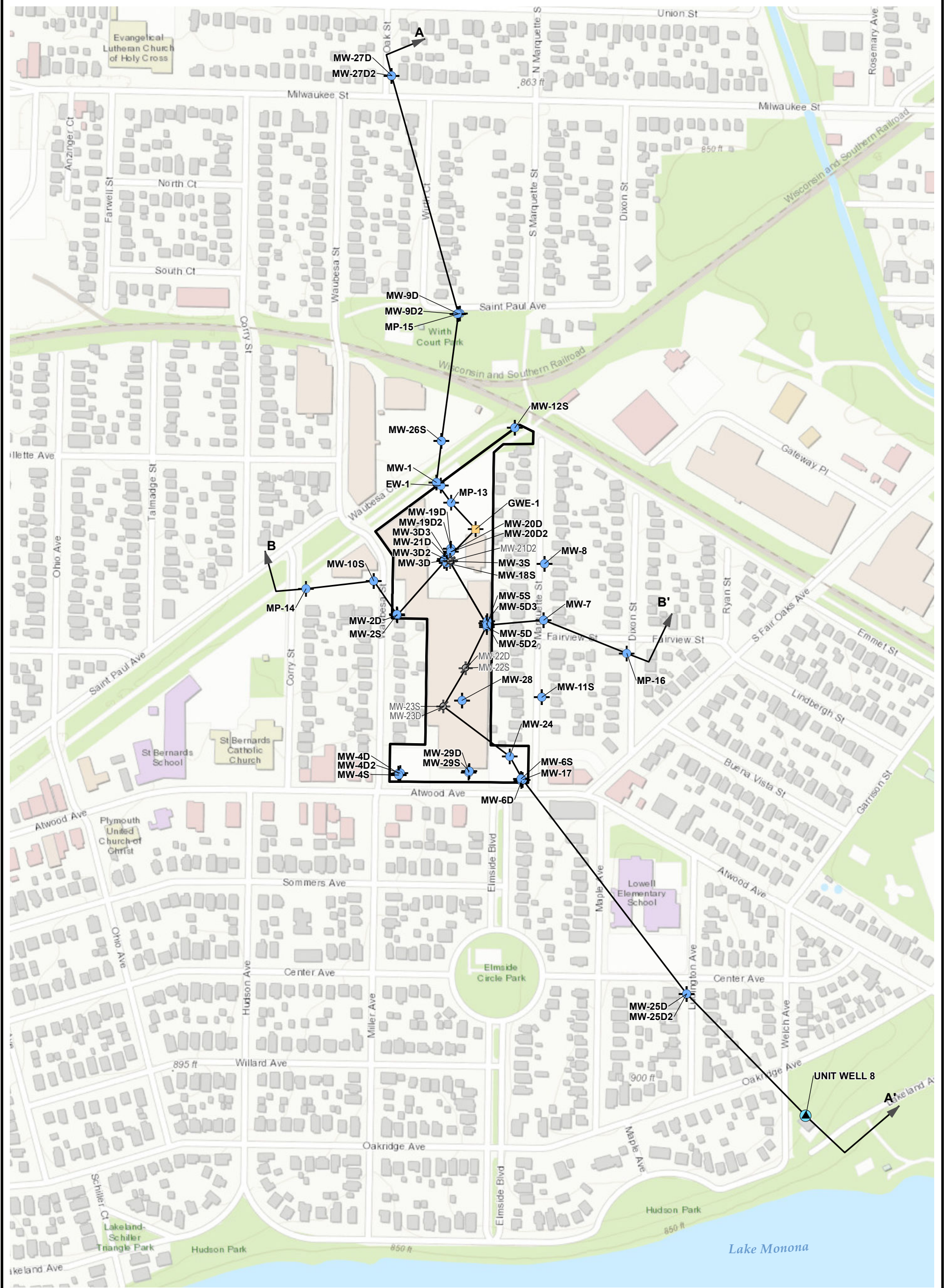
FEET

1" = 2,000'

124,000

N





LEGEND

SITE PROPERTY BOUNDARY

CROSS SECTION

GROUNDWATER EXTRACTION WELL

MONITORING WELL

MUNICIPAL SUPPLY WELL

ABANDONED MONITORING WELL

PROJECT:

MADISON-KIPP CORPORATION  
201 WAUBESA STREET  
MADISON, WISCONSIN

TITLE:

WELL LOCATIONS MAP

DRAWN BY:

A. FOJTIK

CHECKED BY:

M. HOLICKY

APPROVED BY:

S. SELLWOOD

DATE:

FEBRUARY 2025

PROJ. NO.:

638916

FILE:

638916-002.mxd

FIGURE 2

0300600

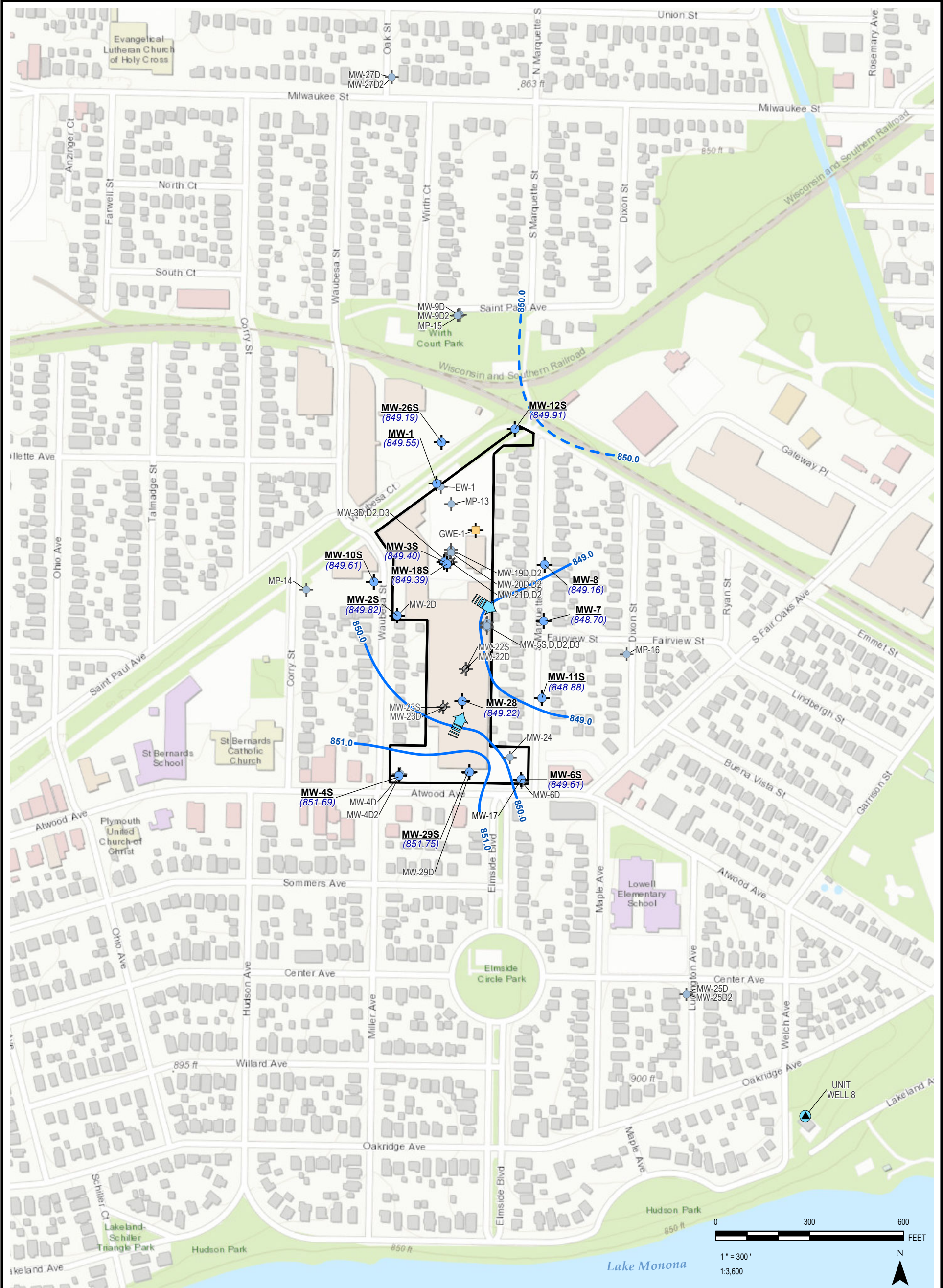
FEET

1" = 300'

1:3,600

N





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

PROJECT:

TITLE:

MADISON-KIPP CORPORATION

201 WAUBESA STREET

MADISON, WISCONSIN

WATER TABLE ELEVATIONS

OCTOBER 2024

DRAWN BY:

A. FOJTIK

CHECKED BY:

M. HOLICKY

APPROVED BY:

S. SELLWOOD

DATE:

FEBRUARY 2025

PROJ. NO.:

638916

FILE:

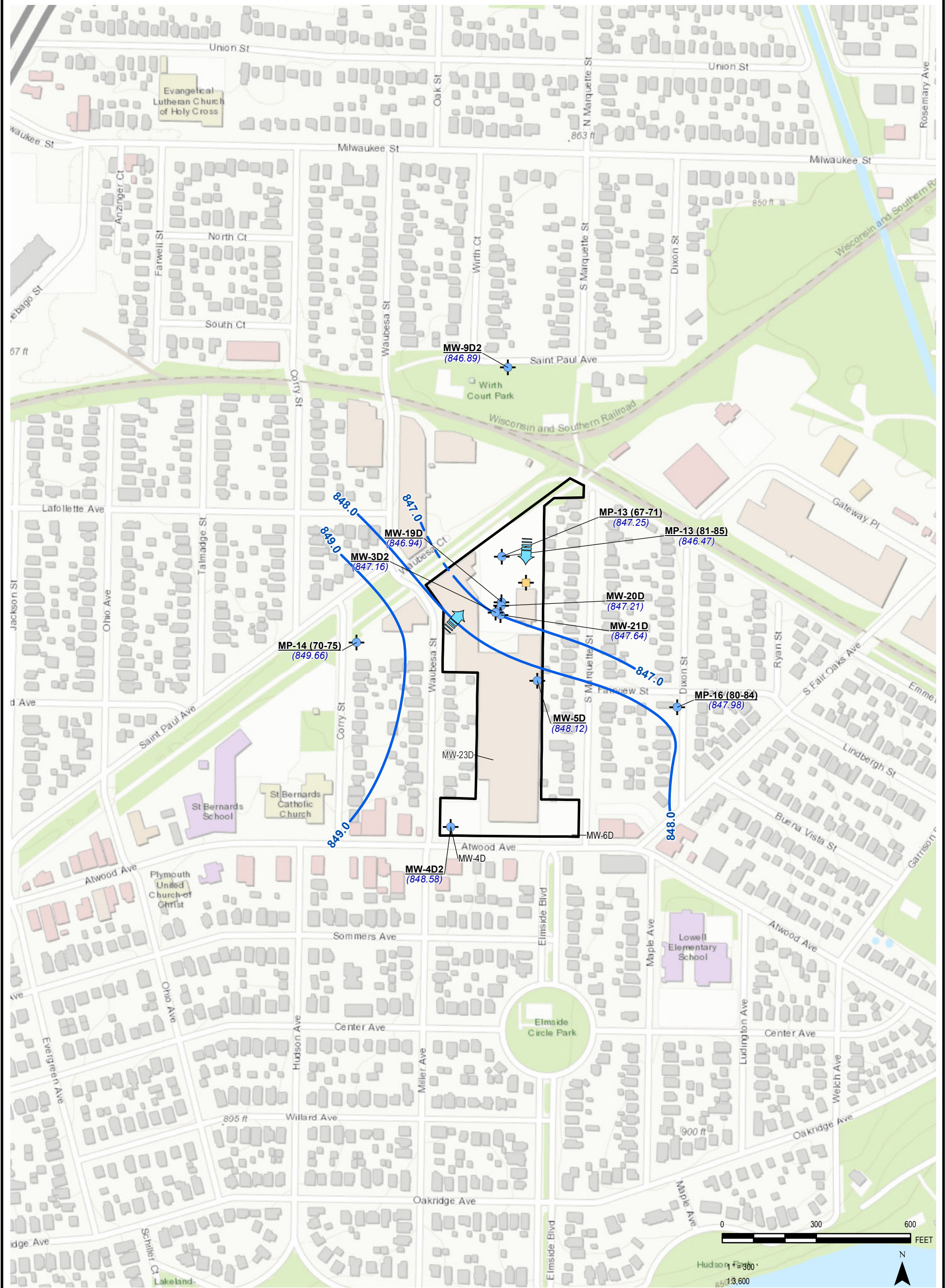
638916-003.mxd

FIGURE 3









LEGEND

SITE PROPERTY

GROUNDWATER ELEVATION CONTOUR (1' FT INTERVAL, DASHED WHERE INFERRED)

GROUNDWATER FLOW

ABANDONED MONITORING

MONITORING WELL

GROUNDWATER EXTRACTION

MUNICIPAL SUPPLY WELL

PROJECT:

MADISON-KIPP CORPORATION  
201 WAUBESA STREET  
MADISON, WISCONSIN

TITLE:

LOWER LONE ROCK FORMATION  
POTENTIOMETRIC SURFACE  
OCTOBER 2024

DRAWN BY:

A. FOJTIK

CHECKED BY:

M. HOLICKY

APPROVED BY:

S. SELLWOOD

DATE:

FEBRUARY 2025

PROJ. NO.:

638916

FILE:

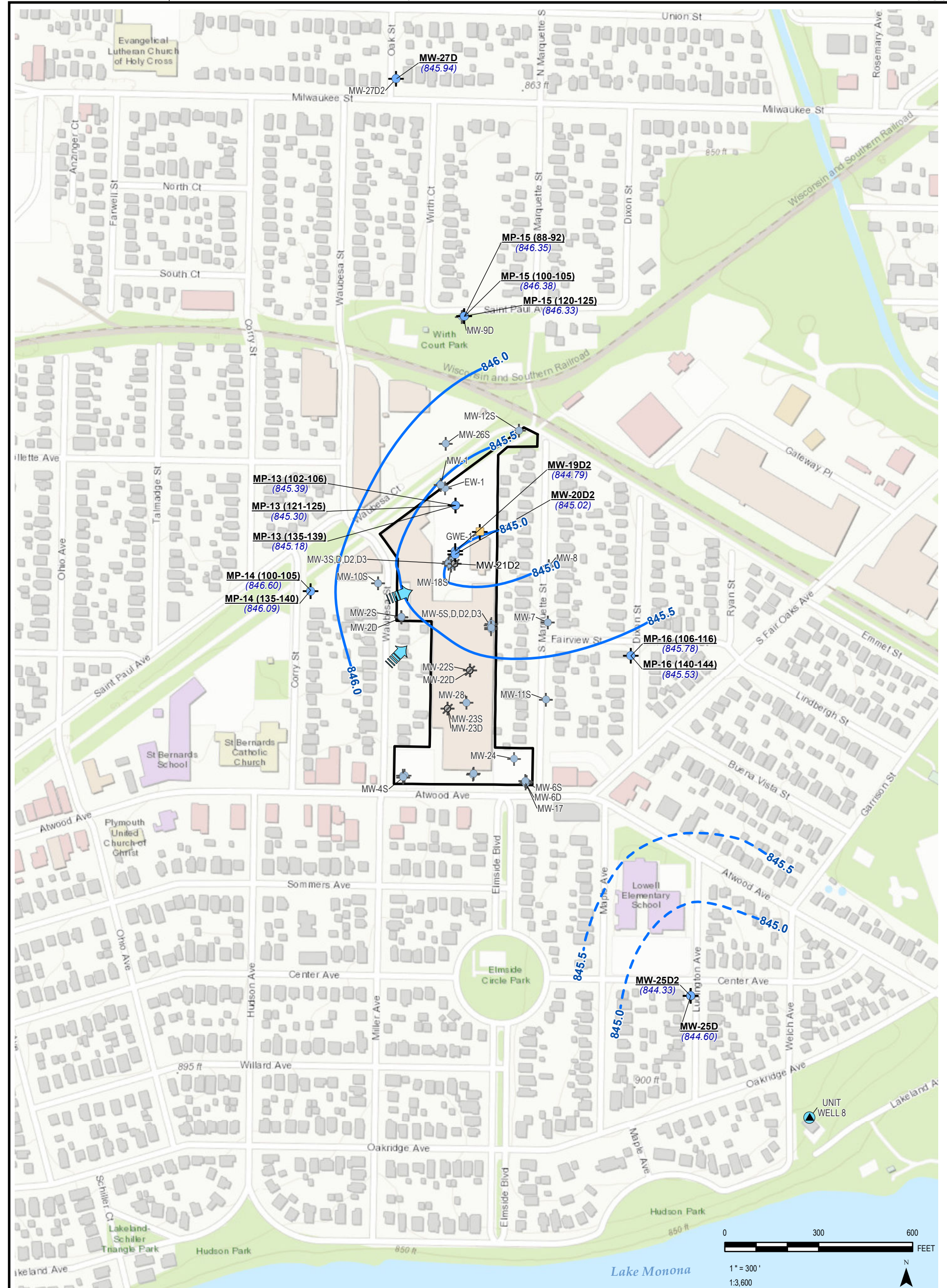
638916-005.mxd

TRC

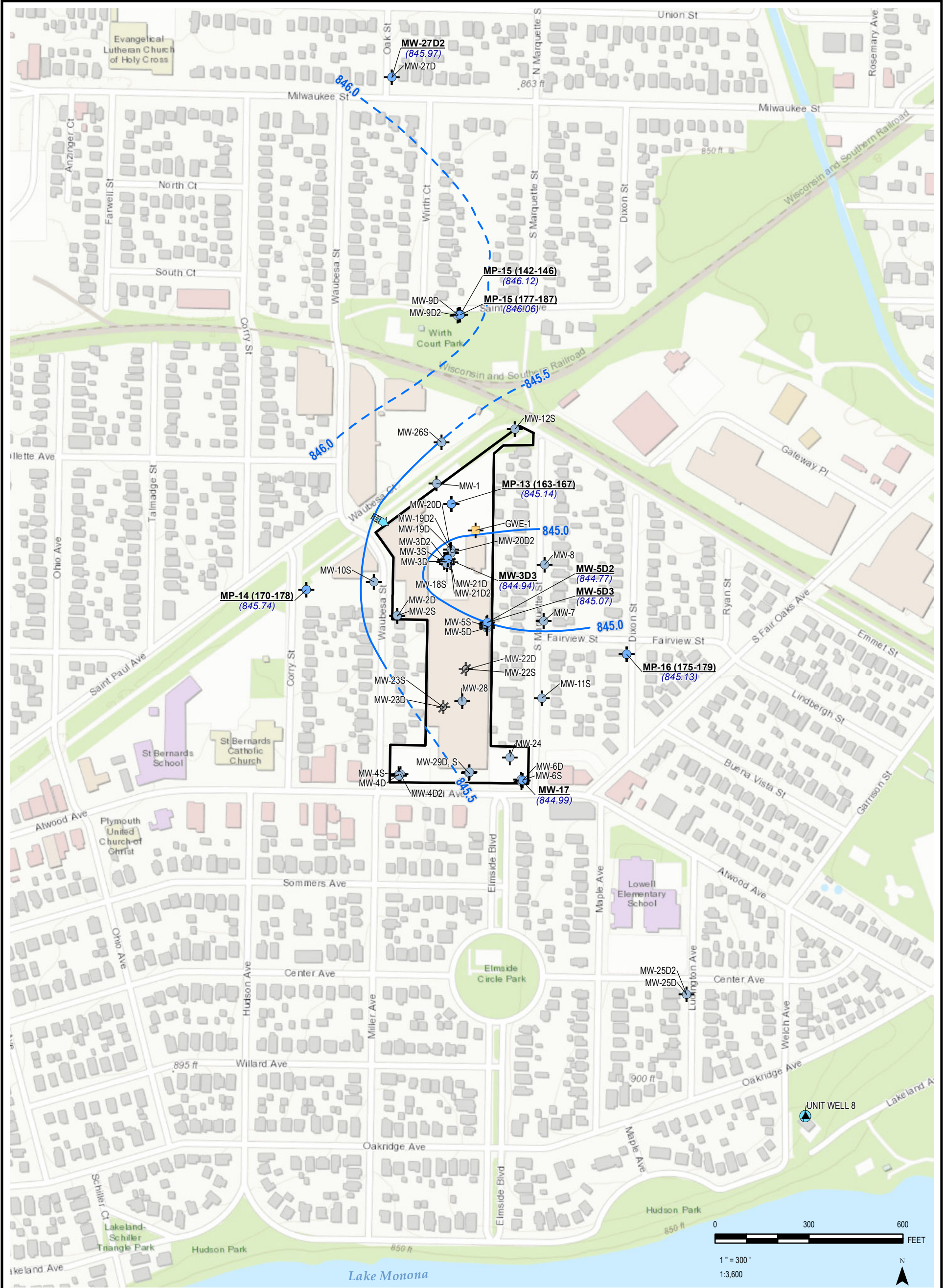
999 Fourier Drive, Suite 101  
Madison, WI 53717  
Phone: 608.826.3600

FIGURE 5









**LEGEND**

SITE PROPERTY BOUNDARY

GROUNDWATER ELEVATION CONTOUR  
(0.5' INTERVAL, DASHED WHERE INFERRED)

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.

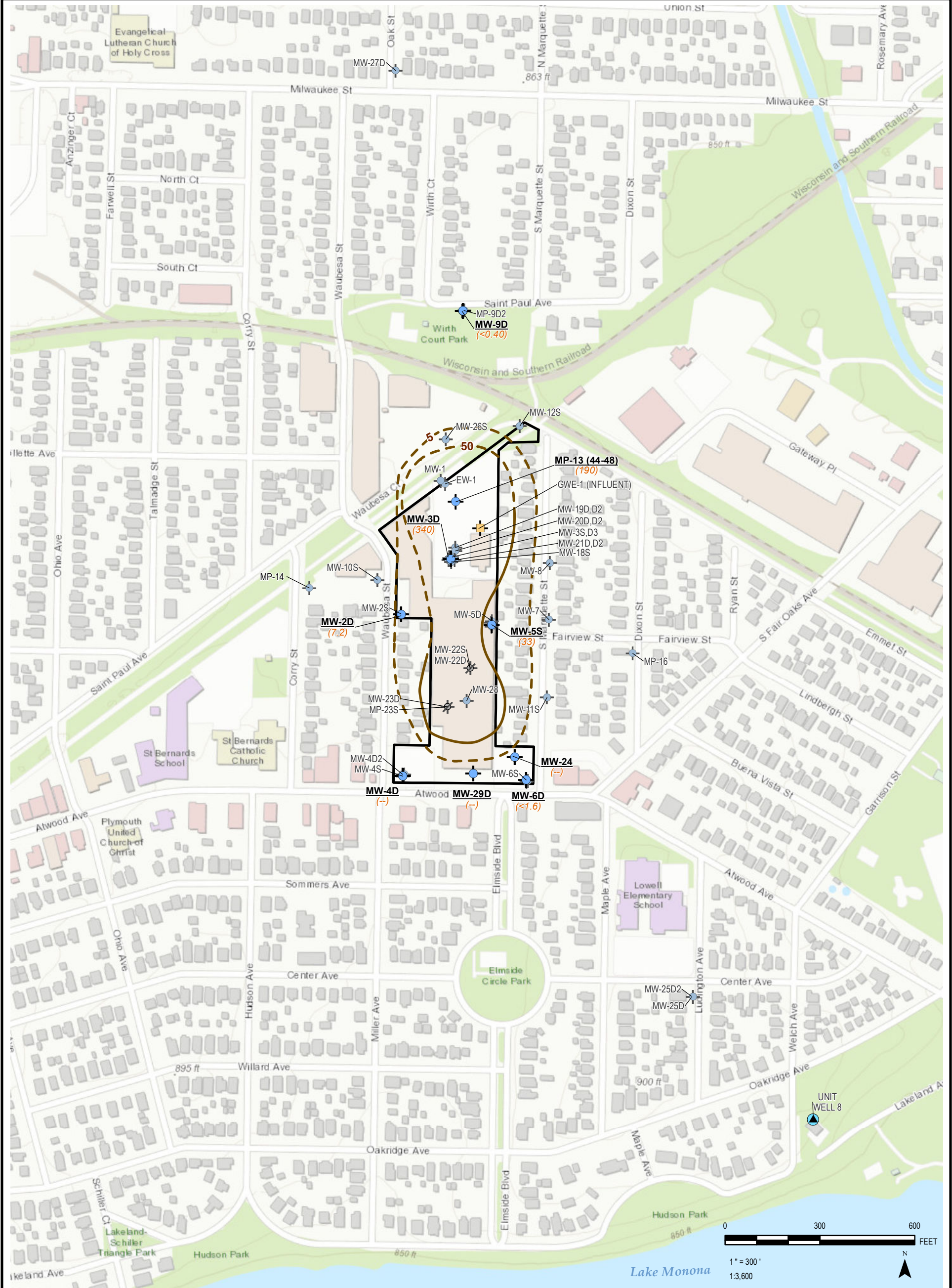
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 2024.

|                                                                                                                                                                                     |                                                                                            |  |                                     |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|-------------------------------------|--|--|
| <div><div>999 Fourier Drive, Suite 101<br/>Madison, WI 53717<br/>Phone: 608.826.3600</div></div> | PROJECT: <div>MADISON-KIPP CORPORATION<br/>201 WAUBESA STREET<br/>MADISON, WISCONSIN</div> |  | DRAWN BY: <div>A. FOJTIK</div>      |  |  |
|                                                                                                                                                                                     | TITLE: <div>LOWER WONEWOC FORMATION<br/>POTENTIOMETRIC SURFACE<br/>OCTOBER 2024</div>      |  | CHECKED BY: <div>M. HOLICKY</div>   |  |  |
|                                                                                                                                                                                     |                                                                                            |  | APPROVED BY: <div>S. SELLWOOD</div> |  |  |
|                                                                                                                                                                                     |                                                                                            |  | DATE: <div>FEBRUARY 2025</div>      |  |  |
|                                                                                                                                                                                     |                                                                                            |  | PROJ. NO.: <div>638916</div>        |  |  |
|                                                                                                                                                                                     |                                                                                            |  | FILE: <div>638916-007.mxd</div>     |  |  |
|                                                                                                                                                                                     |                                                                                            |  | <b>FIGURE 7</b>                     |  |  |









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 OCTOBER 2024.

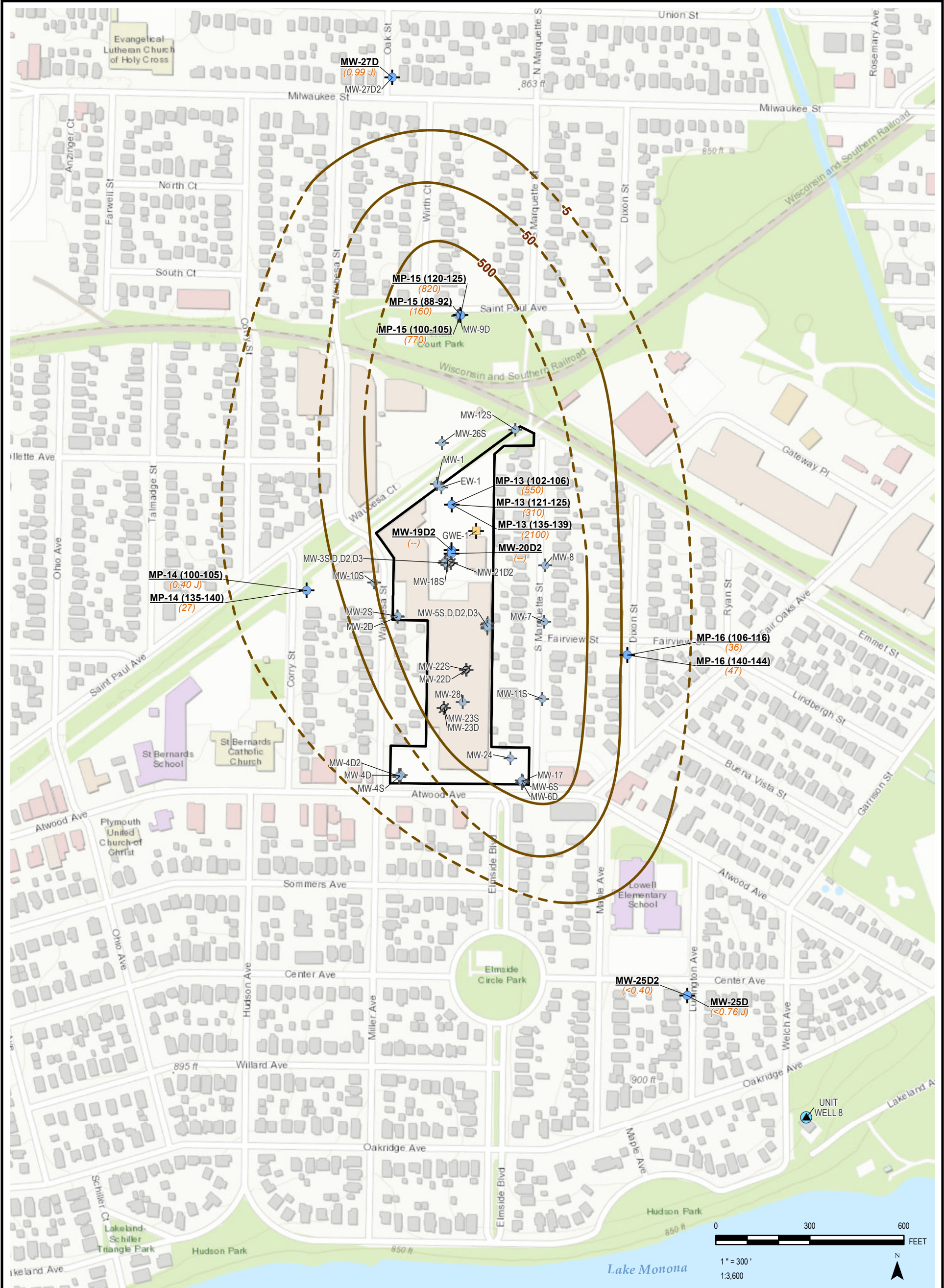
5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS.

|                                                                                                                                      |                                                                                                           |                          |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------|
| <div><div><div></div><div>TRC</div></div><div>999 Fourier Drive, Suite 101<br/>Madison, WI 53717<br/>Phone: 608.826.3600</div></div> | PROJECT:<br><b>MADISON-KIPP CORPORATION<br/>201 WAUBESA STREET<br/>MADISON, WISCONSIN</b>                 | DRAWN BY: A. FOJTIK      |
|                                                                                                                                      | TITLE:<br><b>UPPER LONE ROCK FORMATION<br/>TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS<br/>OCTOBER 2024</b> | CHECKED BY: M. HOLICKY   |
|                                                                                                                                      |                                                                                                           | APPROVED BY: S. SELLWOOD |
|                                                                                                                                      |                                                                                                           | DATE: FEBRUARY 2025      |
|                                                                                                                                      |                                                                                                           | PROJ. NO.: 638916        |
|                                                                                                                                      |                                                                                                           | FILE: 638916-009.mxd     |
|                                                                                                                                      |                                                                                                           | <b>FIGURE 9</b>          |









LEGEND

SITE PROPERTY BOUNDARY

GROUNDWATER EXTRACTION WELL

MONITORING WELL

MUNICIPAL SUPPLY WELL

ABANDONED MONITORING 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 WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 100 -155 FEET BELOW GROUND SURFACE (770 - 715 FEET ABOVE MEAN SEA LEVEL).

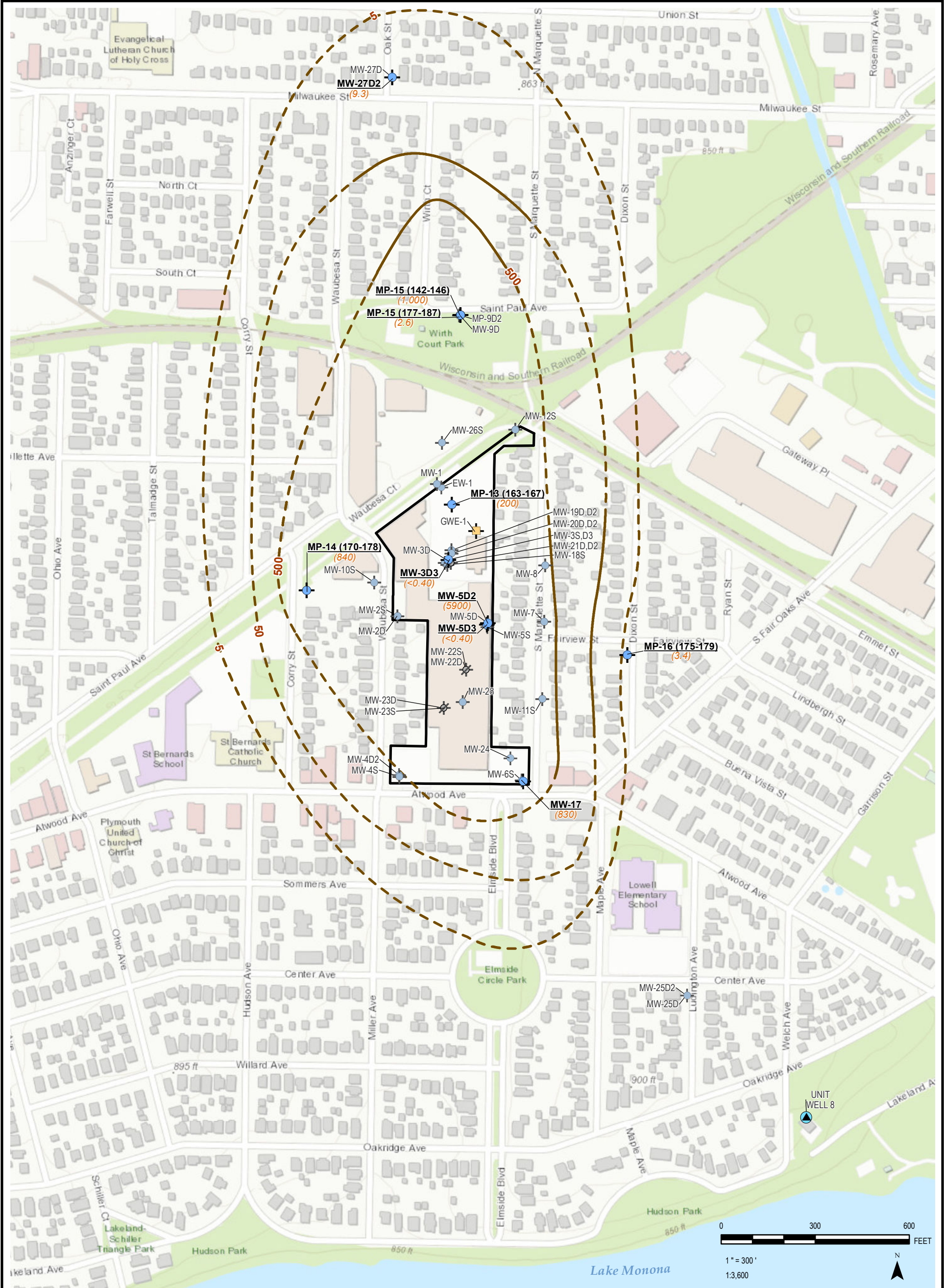
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.

4. WELLS SAMPLED DURING OCTOBER 2024.

5. DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS.

|                                                                                                                                                                                |          |                                                                                      |              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|--------------|----------------|
| <div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div>999 Fourier Drive, Suite 101<br/>Madison, WI 53717<br/>Phone: 608.826.3600</div></div> | PROJECT: | MADISON-KIPP CORPORATION<br>201 WAUBESA STREET<br>MADISON, WISCONSIN                 | DRAWN BY:    | A. FOJTIK      |
|                                                                                                                                                                                | TITLE:   | UPPER WONEWOC FORMATION<br>TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS<br>OCTOBER 2024 | CHECKED BY:  | M. HOLICKY     |
|                                                                                                                                                                                |          |                                                                                      | APPROVED BY: | S.SELLWOOD     |
|                                                                                                                                                                                |          |                                                                                      | DATE:        | FEBRUARY 2025  |
|                                                                                                                                                                                |          |                                                                                      | PROJ. NO.:   | 638916         |
|                                                                                                                                                                                |          |                                                                                      | FILE:        | 638916-011.mxd |
|                                                                                                                                                                                |          |                                                                                      | FIGURE 11    |                |





LEGEND

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

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.

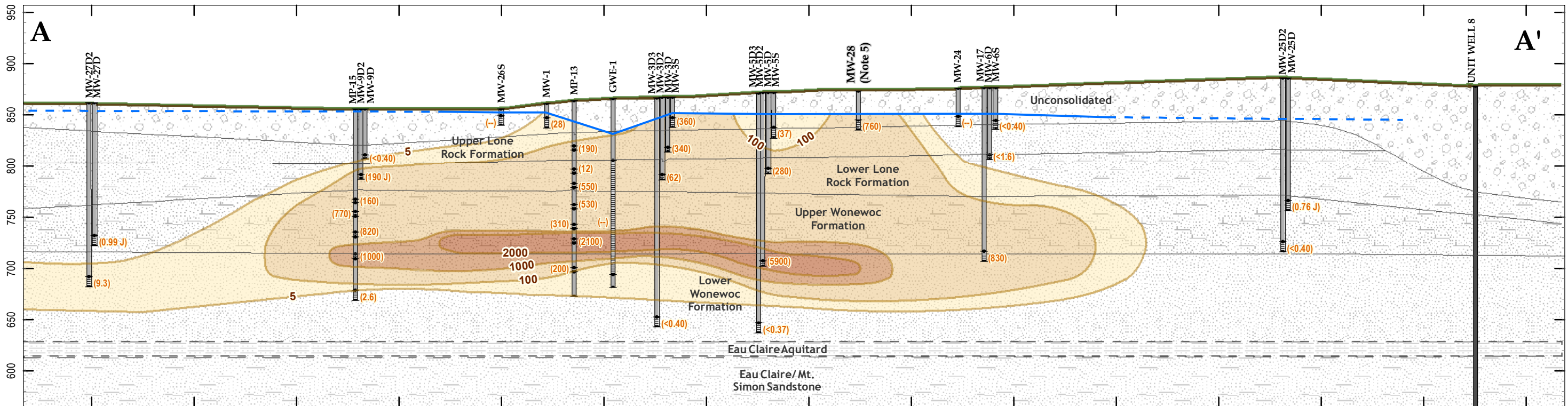
WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT .
4.

WELLS SAMPLED OCTOBER 2024.
5.

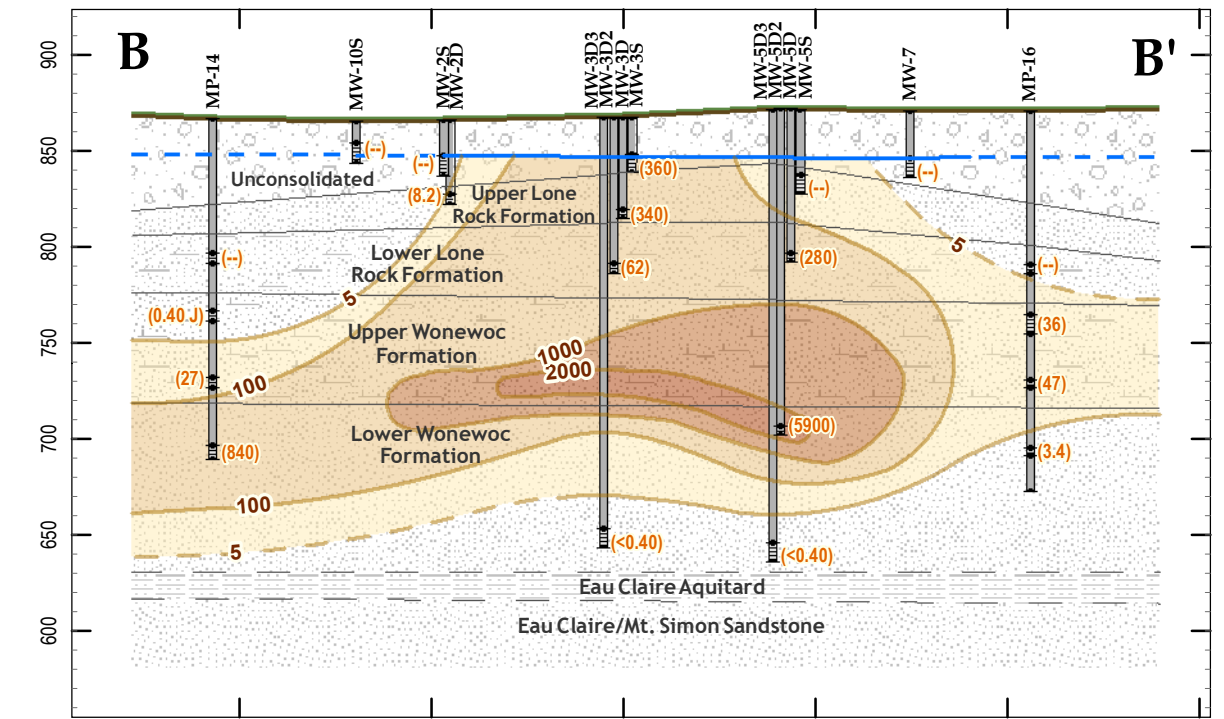
DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS .

|                                                                                                   |          |                                                                                      |              |                |
|---------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|--------------|----------------|
| <div></div> <div>999 Fourier Drive, Suite 101<br/>Madison, WI 53717<br/>Phone: 608.826.3600</div> | PROJECT: | MADISON-KIPP CORPORATION<br>201 WAUBESA STREET<br>MADISON, WISCONSIN                 | DRAWN BY:    | A. FOJTIK      |
|                                                                                                   | TITLE:   | LOWER WONEWOC FORMATION<br>TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS<br>OCTOBER 2024 | CHECKED BY:  | M. HOLICKY     |
|                                                                                                   |          |                                                                                      | APPROVED BY: | S.SELLWOOD     |
|                                                                                                   |          |                                                                                      | DATE:        | FEBRUARY 2025  |
|                                                                                                   |          |                                                                                      | PROJ. NO.:   | 638916         |
|                                                                                                   |          |                                                                                      | FILE:        | 638916-012.mxd |
|                                                                                                   |          |                                                                                      | FIGURE 12    |                |





- NOTES**
- SEE FIGURE 2 FOR PLAN VIEW CROSS SECTION LOCATIONS.
  - FEATURES SHOWN ARE APPROXIMATE
  - DATA QUALIFIERS NOT INCLUDED, SEE TABLES OR LABORATORY REPORTS.
  - WELLS SAMPLED OCTOBER 2024.
  - LOCATION OF MW-28 IS PROJECTED BASED ON CROSS-SECTION A-A' SHOWN ON FIGURE 2.
  - MW-10S MEASURED GROUNDWATER DEPTH NOT USED FOR GROUNDWATER ELEVATION CONTOURING.



**LEGEND**

WELL CONSTRUCTION

- WELL RISER
- WELL CASING
- WELL SCREEN

WATER TABLE ELEVATION

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

Horizontal Scale: 1" = 300 '  
Vertical Scale: 1" = 100 '  
3x Vertical Exaggeration

|                                                                                                          |               |                                                                      |        |
|----------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------|--------|
| PROJECT:                                                                                                 |               | MADISON-KIPP CORPORATION<br>201 WAUBESA STREET<br>MADISON, WISCONSIN |        |
| TITLE: GEOLOGIC CROSS SECTIONS A-A' AND B-B'<br>TETRACHLOROETHENE (PCE)<br>CONCENTRATIONS - OCTOBER 2024 |               |                                                                      |        |
| DRAWN BY:                                                                                                | A. FOJTIK     | PROJ NO.:                                                            | 638916 |
| CHECKED BY:                                                                                              | M. HOLICKY    | FIGURE 13                                                            |        |
| APPROVED BY:                                                                                             | S. SELLWOOD   |                                                                      |        |
| DATE:                                                                                                    | FEBRUARY 2025 |                                                                      |        |
| FILE NO.:                                                                                                |               | 638916-013.mxd                                                       |        |

999 Fourier Drive, Suite 101  
Madison, WI 53717  
Phone: 608.826.3663  
www.trcsolutions.com





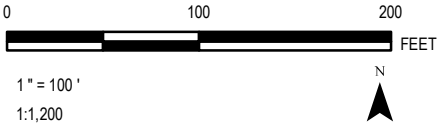
LEGEND

-  SITE PROPERTY BOUNDARY
-  PARCEL BOUNDARY
-  SOIL EXTRACTION WELL

-  VAPOR MONITORING POINT
-  VAPOR MONITORING POINT (PROPOSED 2018 SAMPLING)
-  VAPOR MONITORING POINT (LOST)

NOTES

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO, 2023.
2. PARCEL INFORMATION FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE, 2018



|                                                                                                                                                                                     |                                                                                            |  |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|-----------------------------------|
| <div><div>999 Fourier Drive, Suite 101<br/>Madison, WI 53717<br/>Phone: 608.826.3600</div></div> | PROJECT: <div>MADISON-KIPP CORPORATION<br/>201 WAUBESA STREET<br/>MADISON, WISCONSIN</div> |  | DRAWN BY: <div>A. FOJTIK</div>    |
|                                                                                                                                                                                     | TITLE: <div>SOIL VAPOR EXTRACTION WELL AND<br/>VAPOR MONITORING POINT LOCATION MAP</div>   |  | CHECKED BY: <div>M. HOLICKY</div> |
|                                                                                                                                                                                     |                                                                                            |  | APPROVED BY: <div>K. VATER</div>  |
|                                                                                                                                                                                     |                                                                                            |  | DATE: <div>FEBRUARY 2025</div>    |
|                                                                                                                                                                                     |                                                                                            |  | PROJ. NO.: <div>638916</div>      |
|                                                                                                                                                                                     |                                                                                            |  | FILE: <div>638916-014.mxd</div>   |
|                                                                                                                                                                                     |                                                                                            |  | FIGURE 14                         |

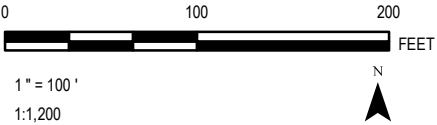




- NOTES**
- MH-4AR REPRESENTS TWO COLLECTION POINTS THAT MERGE INTO ONE DISCHARGE POINT.
  - MH-5AH REPRESENTS A DISCHARGE PIPE LOCATED IN MANHOLE MH-5A, BOTH ABANDONED IN 2017.
  - MH-2W AND THE SECTION OF PIPE BETWEEN MH -2W AND MH-2A WERE ABANDONED IN 2017.
  - BASE MAP IMAGERY FROM GOOGLE EARTH PRO, 2023.

**LEGEND**

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



999 Fourier Drive, Suite 101  
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:

A. FOJTIK

CHECKED BY:

M. HOLICKY

APPROVED BY:

K. VATER

DATE:

FEBRUARY 2025

PROJ. NO.:

638916

FILE:

638916-015.mxd

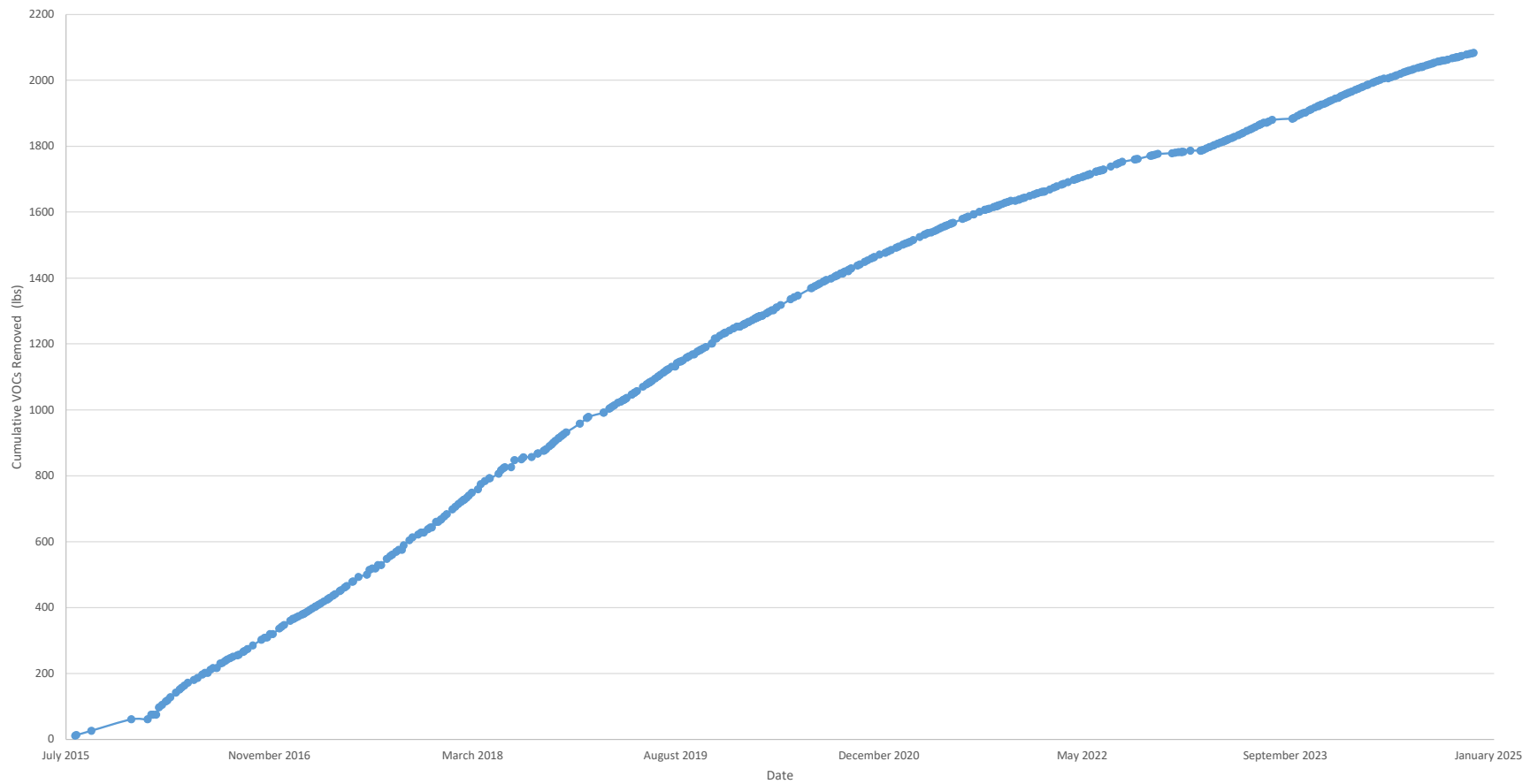
FIGURE 15



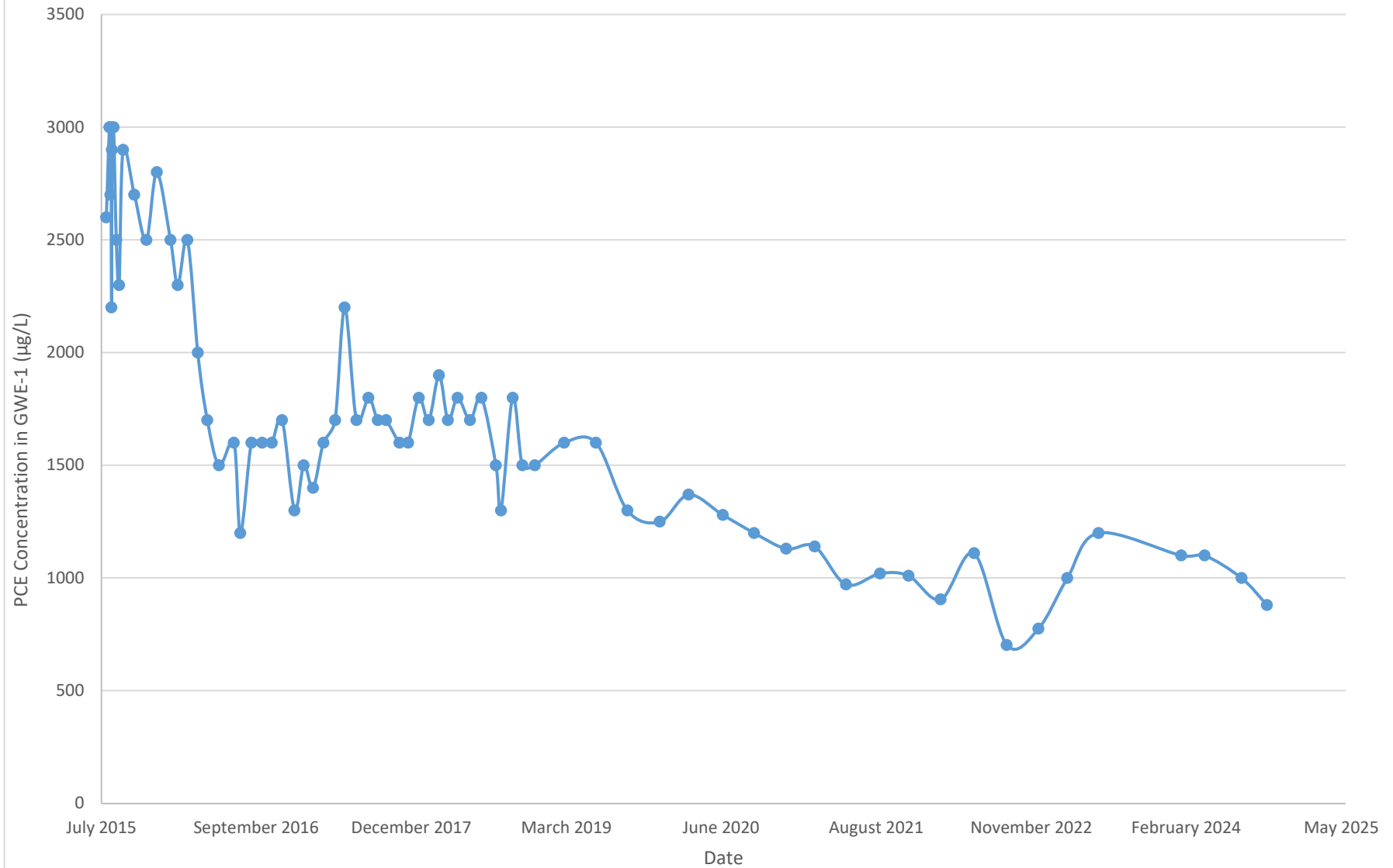
## Appendix A: Trend Plots



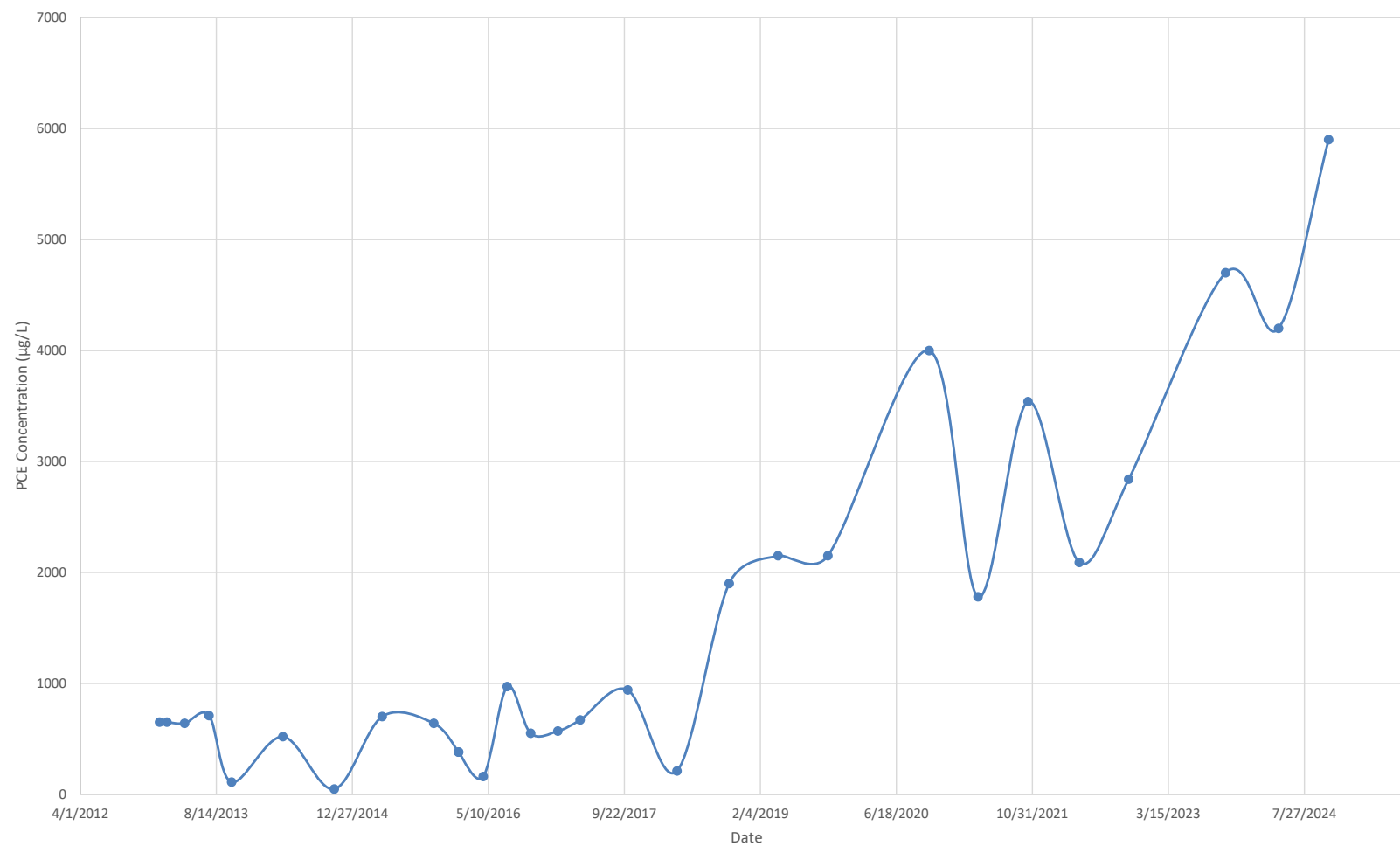
Trend Plot A.1  
Groundwater Extraction System Operation  
Cumulative Volatile Organic Compounds (VOCs) Removed  
Madison Kipp Corporation  
201 Waubesa Street  
Madison, Wisconsin



**Trend Plot A.2**  
**PCE Concentration in GWE-1**  
**Madison Kipp Corporation**  
**201 Waubesa Street**  
**Madison, Wisconsin**



**Trend Plot A.3**  
**MW-5D2**  
**Tetrachloroethene (PCE) Concentration**  
**Madison Kipp Corporation**  
**201 Waubesa Street**  
**Madison, WI**





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

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

Page 1 of 29

### 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:

- 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.
- 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.
- 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.
- 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>.
- 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 Public 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: 07/01/2024 | To: 12/31/2024 | Days in period: 183 |
|--------------------------------------|----------------|---------------------|

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

##### 5. Site location

|                                |                |                           |
|--------------------------------|----------------|---------------------------|
| Region<br>South Central Region | County<br>Dane | Address<br>201 Waubesa St |
|--------------------------------|----------------|---------------------------|

|                                                                                                                             |                  |                                                                  |              |      |      |
|-----------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------|--------------|------|------|
| Municipality name <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village<br>Madison | Township<br>07 N | Range <input checked="" type="radio"/> E <input type="radio"/> W | Section<br>5 | ¼ SW | ¼ NW |
|-----------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------|--------------|------|------|

##### 6. Responsible party

###### Name

Mahlek Hamdan

###### Mailing address

201 Waubesa St, Madison, WI 53704

###### Phone number

(608) 228-9528

##### 7. Consultant

☐ Select if the following information has changed since the last submittal

###### Company name

TRC

###### Mailing address

999 Fourier Dr. Suite 101, Madison, WI

###### Phone number

(608) 826-3600

##### 8. Contaminants

VOCs, metals, PCBs

##### 9. Soil types (USCS or USDA)

CL, SP, GP

##### 10. Hydraulic conductivity(cm/sec):

0.08 - 13.2

##### 11. Average linear velocity of groundwater (ft/yr)

0.5 - 12.9

Site name: Madison-Kipp Corporation  
Reporting period from: 07/01/2024 To: 12/31/2024  
Days in period: 183

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

Page 2 of 29

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

Range ☐ E

☐ W

Section

1/4

1/4 1/4

### B. Remediation Method

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

- ☐ 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).
- ☐ Biopiles (submit a completed Section ES-1).
- ☐ Other in situ soil remediation method (submit a completed Section IS-3).
- ☐ Soil natural attenuation (submit a completed Section IS-2).
- ☐ Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- ☐ Other groundwater remediation method (submit a completed Section GW-4).
- ☐ Groundwater natural attenuation (submit a completed Section GW-3).
- ☐ In situ air sparging (submit a completed Section GW-2).
- ☐ Free product recovery (submit a completed Section GW-1).
- ☒ Groundwater extraction (submit a completed Section GW-1).

### C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), 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 under evaluation to determine if further operation is warranted. The system as approved by the WDNR was shutdown in 2018, and soil gas was monitored through 2019. The GETS system flow 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 again.

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 under evaluation to determine if further operation is warranted. The system as approved by the WDNR was shutdown in October 2018.



Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

Days in period: 183

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

Page 3 of 29

### 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: \_\_\_\_\_

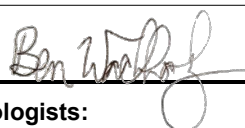
7. If closure is anticipated within 12 months, estimated costs for project closeout: \_\_\_\_\_

### 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<br>Benjamin Wachholz                                                                  | Title<br>Project Engineer |
| Signature<br> | Date<br>March 4, 2025     |

#### Hydrogeologists:

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

|            |       |
|------------|-------|
| 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 |
| Signature  | Date  |

Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

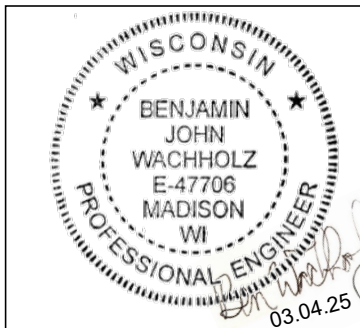
Days in period: 183

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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**Professional Seal(s), if applicable:**



Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

Days in period: 183

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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:  
The GETS was on for 175 days, however the flow rate was gradually reduced to 26 gpm due to operating limitations with pump P-200.
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:  
95%
4. Quantity of groundwater extracted during this time period: 7,221,195 gallons
5. Average groundwater extraction rate: 27 gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: 64.5 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: 5,900 µg/L
  - d. Maximum contaminant concentration level in any extraction well of that contaminant: 1,000 µg/L



Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024

To: 12/31/2024

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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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- 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.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- 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.
  - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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.

Site name: Madison-Kipp Corporation  
Reporting period from: 07/01/2024 To: 12/31/2024  
Days in period: 183

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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.



Site name: Madison-Kipp Corporation  
Reporting period from: 07/01/2024 To: 12/31/2024  
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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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.

Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024

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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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 shutdown in 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: 20.64 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 (ppmv) If over 10 ppmv, explain:

iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:

- o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- o 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.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.

Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

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### 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.



Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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.

Site name: Madison-Kipp Corporation  
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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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.

Site name: Madison-Kipp Corporation  
Reporting period from: 07/01/2024 To: 12/31/2024  
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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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.



Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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:

Site name: Madison-Kipp Corporation

Reporting period from: 07/01/2024 To: 12/31/2024

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## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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### 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 2024 WPDES DMR Submittal and Quarterly Laboratory Reports**



## Wastewater Discharge Monitoring Long Report

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: 12/01/2024 - 12/31/2024  
Form Due Date: 01/21/2025  
Permit Number: 0046566

## For DNR Use Only

|                 |                      |
|-----------------|----------------------|
| Date Received:  |                      |
| DOC:            | 555620               |
| FIN:            | 7960                 |
| FID:            | 113125320            |
| Region:         | South Central Region |
| Permit Drafter: | Drafter not set      |
| Reviewer:       | Reece M Matheson     |
| Office:         | Plymouth             |

### Sample Point(s) active?

Yes - 001 sample point (Surface Water Discharge)

**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: 12/01/2024 - 12/31/2024  
Form Due Date: 01/21/2025  
Permit Number: 0046566

Date Received:  
DOC: 555620  
FIN: 7960  
FID: 113125320  
Region: South Central Region  
Permit Drafter: Drafter not set  
Reviewer: Reece M Matheson  
Office: Plymouth

|                       |                     |                         |                         |
|-----------------------|---------------------|-------------------------|-------------------------|
|                       | <b>Sample Point</b> | 001                     | 001                     |
|                       | <b>Description</b>  | Surface Water Discharge | Surface Water Discharge |
|                       | <b>Parameter</b>    | 211                     | 457                     |
|                       | <b>Description</b>  | Flow Rate               | Suspended Solids, Total |
|                       | <b>Units</b>        | gpd                     | mg/L                    |
|                       | <b>Sample Type</b>  | ESTIMATED               | GRAB                    |
|                       | <b>Frequency</b>    | DAILY                   | PER OCCURANCE           |
| <b>Sample Results</b> | <b>Day 1</b>        | 40320                   |                         |
|                       | <b>2</b>            | 40320                   |                         |
|                       | <b>3</b>            | 40320                   |                         |
|                       | <b>4</b>            | 40320                   |                         |
|                       | <b>5</b>            | 40320                   |                         |
|                       | <b>6</b>            | 38902                   |                         |
|                       | <b>7</b>            | 37440                   |                         |
|                       | <b>8</b>            | 37440                   |                         |
|                       | <b>9</b>            | 37440                   |                         |
|                       | <b>10</b>           | 37440                   |                         |
|                       | <b>11</b>           | 37440                   |                         |
|                       | <b>12</b>           | 37440                   |                         |
|                       | <b>13</b>           | 37440                   |                         |
|                       | <b>14</b>           | 37440                   |                         |
|                       | <b>15</b>           | 37440                   |                         |
|                       | <b>16</b>           | 37440                   |                         |
|                       | <b>17</b>           | 37440                   |                         |
|                       | <b>18</b>           | 37440                   |                         |
|                       | <b>19</b>           | 37440                   |                         |
|                       | <b>20</b>           | 37440                   |                         |
|                       | <b>21</b>           | 37440                   |                         |
|                       | <b>22</b>           | 37440                   |                         |
|                       | <b>23</b>           | 37440                   |                         |
|                       | <b>24</b>           | 37440                   |                         |
|                       | <b>25</b>           | 37440                   |                         |
|                       | <b>26</b>           | 37440                   |                         |
|                       | <b>27</b>           | 37440                   |                         |
|                       | <b>28</b>           | 37440                   |                         |
|                       | <b>29</b>           | 37440                   |                         |
|                       | <b>30</b>           | 37440                   |                         |
|                       | <b>31</b>           | 37440                   |                         |

|                           |                          |                         |  |                         |  |
|---------------------------|--------------------------|-------------------------|--|-------------------------|--|
|                           | <b>Sample Point</b>      | 001                     |  | 001                     |  |
|                           | <b>Description</b>       | Surface Water Discharge |  | Surface Water Discharge |  |
|                           | <b>Parameter</b>         | 211                     |  | 457                     |  |
|                           | <b>Description</b>       | Flow Rate               |  | Suspended Solids, Total |  |
|                           | <b>Units</b>             | gpd                     |  | mg/L                    |  |
| <b>Summary Values</b>     | <b>Monthly Avg</b>       | 37951.677419355         |  |                         |  |
|                           | <b>Daily Max</b>         | 40320                   |  |                         |  |
|                           | <b>Daily Min</b>         | 37440                   |  |                         |  |
| <b>Limit(s) in Effect</b> | <b>Daily Max</b>         |                         |  | 40                      |  |
| <b>QA/QC Information</b>  | <b>LOD</b>               |                         |  |                         |  |
|                           | <b>LOQ</b>               |                         |  |                         |  |
|                           | <b>QC Exceedance</b>     | N                       |  | N                       |  |
|                           | <b>Lab Certification</b> |                         |  |                         |  |

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

General Remarks

System is running at 26 gpm while high pressure at P-200 is worked through.

Laboratory Quality Control Comments

Submitted by bwachholz1 on 01/14/2025 4:26:26 PM



## Wastewater Discharge Monitoring Short Report

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 : 10/01/2024 - 12/31/2024  
Form Due Date : 01/21/2025  
Permit Number : **0046566**

## For DNR Use Only

|                 |                      |
|-----------------|----------------------|
| Date Received:  |                      |
| DOC:            | 555022               |
| FIN:            | 7960                 |
| FID:            | 113125320            |
| Region:         | South Central Region |
| Permit Drafter: | Drafter not set      |
| Reviewer:       | Reece M Matheson     |
| Office:         | Plymouth             |

### Sample Point(s) active?

Yes - 001 sample point (Surface Water Discharge)

# 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 : 10/01/2024 - 12/31/2024  
 Form Due Date : 01/21/2025  
 Permit Number : **0046566**

Date Received:  
 DOC: 555022  
 FIN: 7960  
 FID: 113125320  
 Region: South Central Region  
 Permit Drafter: Drafter not set  
 Reviewer: Reece M Matheson  
 Office: Plymouth

| Sample Point | Parameter # | Parameter                      | Date Sample | Sample Type | Sample Results | Units | Limit Type  | Limit  | LOD    | LOQ   | QC Exceed? | Lab Certification |
|--------------|-------------|--------------------------------|-------------|-------------|----------------|-------|-------------|--------|--------|-------|------------|-------------------|
| 001          | 40          | Benzene                        | 10/07/2024  | GRAB        | <0.15          | ug/L  | Monthly Avg | 50(0)  | 0.15   | 0.50  | N          | 999580010         |
| 001          | 54          | BETX, Total                    | 10/07/2024  | GRAB        | <0.40          | ug/L  | Monthly Avg | 750(0) |        |       | N          | 999580010         |
| 001          | 393         | PAHs                           | 10/07/2024  | GRAB        | <0.014         | ug/L  | Monthly Avg | 0.1(0) |        |       | N          | 399140830         |
| 001          | 44          | Benzo(a)pyrene                 | 10/07/2024  | GRAB        | <0.0062        | ug/L  | Monthly Avg | 0.1(0) | 0.0062 | 0.020 | N          | 399140830         |
| 001          | 307         | Naphthalene                    | 10/07/2024  | GRAB        | <0.012         | ug/L  | Monthly Avg | 70(0)  | 0.012  | 0.020 | N          | 399140830         |
| 001          | 80          | Bromoform                      | 10/07/2024  | GRAB        | <0.45          | ug/L  | Monthly Avg | 120(0) | 0.45   | 1.0   | N          | 999580010         |
| 001          | 93          | Carbon tetrachloride           | 10/07/2024  | GRAB        | <0.38          | ug/L  |             | *****  | 0.38   | 1.0   | N          | 999580010         |
| 001          | 118         | Chloroform                     | 10/07/2024  | GRAB        | <0.37          | ug/L  | Monthly Avg | 120(0) | 0.37   | 2.0   | N          | 999580010         |
| 001          | 174         | Dichlorobromo- methane (bromo- | 10/07/2024  | GRAB        | <0.37          | ug/L  | Monthly Avg | 120(0) | 0.37   | 1.0   | N          | 999580010         |
| 001          | 570         | 1,2-Dichloro- ethane           | 10/07/2024  | GRAB        | <0.39          | ug/L  | Monthly Avg | 180(0) | 0.39   | 1.0   | N          | 999580010         |
| 001          | 558         | 1,1-Dichloro- ethylene         | 10/07/2024  | GRAB        | <0.39          | ug/L  | Monthly Avg | 50(0)  | 0.39   | 1.0   | N          | 999580010         |
| 001          | 82          | Methyl bromide                 | 10/07/2024  | GRAB        | <0.65          | ug/L  | Monthly Avg | 120(0) | 0.65   | 3.0   | N          | 999580010         |
| 001          | 120         | Chloromethane                  | 10/07/2024  | GRAB        | <0.32          | ug/L  | Monthly Avg | 120(0) | 0.32   | 5.0   | N          | 999580010         |
| 001          | 565         | 1,1,2,2-Tetrachloro- ethane    | 10/07/2024  | GRAB        | <0.40          | ug/L  | Monthly Avg | 50(0)  | 0.40   | 1.0   | N          | 999580010         |
| 001          | 490         | Tetrachloroethylene            | 10/07/2024  | GRAB        | 1.5            | ug/L  | Monthly Avg | 50(0)  | 0.37   | 1.0   | N          | 999580010         |
| 001          | 563         | 1,1,2-Trichloro- ethane        | 10/07/2024  | GRAB        | <0.35          | ug/L  | Monthly Avg | 50(0)  | 0.35   | 1.0   | N          | 999580010         |
| 001          | 561         | 1,1,1-Trichloro- ethane        | 10/07/2024  | GRAB        | <0.38          | ug/L  | Monthly Avg | 50(0)  | 0.38   | 1.0   | N          | 999580010         |
| 001          | 508         | Trichloro- ethylene            | 10/07/2024  | GRAB        | 0.55           | ug/L  | Monthly Avg | 50(0)  | 0.16   | 0.50  | N          | 999580010         |
| 001          | 517         | Vinyl chloride                 | 10/07/2024  | GRAB        | <0.20          | ug/L  | Monthly Avg | 10(0)  | 0.20   | 1.0   | N          | 999580010         |

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

Pyrene had a qualifier denoting that CCV recovery was outside acceptance limits. No detection was reported however.  
No PAH Group of 10 parameters were reported above their LODs. The parameter with the highest detection limit was reported.

Laboratory Quality Control Comments

Submitted by bwachholz1 on 01/14/2025 4:28:14 PM

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 8/5/2024 11:26:17 AM

## JOB DESCRIPTION

MadisonKipp GETS 581184.0000.0000

## JOB NUMBER

500-254095-1



# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
8/5/2024 11:26:17 AM

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660

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## Case Narrative

Client: TRC Environmental Corporation  
Project: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

**Job ID: 500-254095-1**

**Eurofins Chicago**

### Job Narrative 500-254095-1

#### Receipt

The samples were received on 7/26/2024 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

#### GC/MS VOA

Method 624.1: The method blank for analytical batch 500-779382 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

#### GC/MS Semi VOA

Method 8270E\_SIM: The continuing calibration verification (CCV) associated with batch 200-207119 recovered outside acceptance criteria, low biased, for Benzo[g,h,i]perylene and Indeno[1,2,3-cd]pyrene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

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## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

### Client Sample ID: INFLUENT

Lab Sample ID: 500-254095-1

| Analyte                | Result | Qualifier | LOQ   | LOD    | Unit | Dil Fac | D | Method    | Prep Type |
|------------------------|--------|-----------|-------|--------|------|---------|---|-----------|-----------|
| Trichloroethene        | 110    |           | 0.50  | 0.16   | ug/L | 1       |   | 624.1     | Total/NA  |
| Tetrachloroethene - DL | 1000   |           | 50    | 19     | ug/L | 50      |   | 624.1     | Total/NA  |
| Fluoranthene           | 0.012  | J         | 0.020 | 0.0064 | ug/L | 1       |   | 8270E SIM | Total/NA  |
| Phenanthrene           | 0.021  |           | 0.020 | 0.014  | ug/L | 1       |   | 8270E SIM | Total/NA  |
| Pyrene                 | 0.0087 | J B       | 0.020 | 0.0061 | ug/L | 1       |   | 8270E SIM | Total/NA  |

### Client Sample ID: EFFLUENT

Lab Sample ID: 500-254095-2

| Analyte           | Result | Qualifier | LOQ   | LOD    | Unit | Dil Fac | D | Method    | Prep Type |
|-------------------|--------|-----------|-------|--------|------|---------|---|-----------|-----------|
| Tetrachloroethene | 1.7    |           | 1.0   | 0.37   | ug/L | 1       |   | 624.1     | Total/NA  |
| Trichloroethene   | 0.41   | J         | 0.50  | 0.16   | ug/L | 1       |   | 624.1     | Total/NA  |
| Fluoranthene      | 0.0087 | J         | 0.020 | 0.0064 | ug/L | 1       |   | 8270E SIM | Total/NA  |
| Phenanthrene      | 0.020  |           | 0.020 | 0.014  | ug/L | 1       |   | 8270E SIM | Total/NA  |
| Pyrene            | 0.0066 | J B       | 0.020 | 0.0061 | ug/L | 1       |   | 8270E SIM | Total/NA  |

### Client Sample ID: Trip Blank

Lab Sample ID: 500-254095-3

No Detections.

This Detection Summary does not include radiochemical test results.

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# Method Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

| Method    | Method Description                           | Protocol | Laboratory |
|-----------|----------------------------------------------|----------|------------|
| 624.1     | Volatile Organic Compounds (GC/MS)           | EPA      | EET CHI    |
| 8270E SIM | Semivolatile Organic Compounds (GC/MS SIM)   | SW846    | EET BUR    |
| 3510C     | Liquid-Liquid Extraction (Separatory Funnel) | SW846    | EET BUR    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-254095-1  | INFLUENT         | Water  | 07/25/24 09:35 | 07/26/24 09:50 |
| 500-254095-2  | EFFLUENT         | Water  | 07/25/24 09:30 | 07/26/24 09:50 |
| 500-254095-3  | Trip Blank       | Water  | 07/25/24 00:00 | 07/26/24 09:50 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

Client Sample ID: INFLUENT

Lab Sample ID: 500-254095-1

Date Collected: 07/25/24 09:35

Matrix: Water

Date Received: 07/26/24 09:50

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Bromoform                 | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Carbon tetrachloride      | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Chloroform                | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Chloromethane             | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Dichlorobromomethane      | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 08/01/24 12:30 | 1       |
| 1,2-Dichloroethane        | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 08/01/24 12:30 | 1       |
| 1,1-Dichloroethene        | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Ethylbenzene              | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Methyl bromide            | <0.65  |           | 3.0  | 0.65 | ug/L |   |          | 08/01/24 12:30 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 08/01/24 12:30 | 1       |
| 1,1,1-Trichloroethane     | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 08/01/24 12:30 | 1       |
| 1,1,2-Trichloroethane     | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Trichloroethene           | 110    |           | 0.50 | 0.16 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 08/01/24 12:30 | 1       |
| Xylenes, Total            | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 08/01/24 12:30 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 84        |           | 70 - 130 |          | 08/01/24 12:30 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 81        |           | 70 - 130 |          | 08/01/24 12:30 | 1       |
| Toluene-d8 (Surr)            | 92        |           | 70 - 130 |          | 08/01/24 12:30 | 1       |

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) - DL

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 1000   |           | 50  | 19  | ug/L |   |          | 08/01/24 12:53 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 84        |           | 70 - 130 |          | 08/01/24 12:53 | 50      |
| 1,2-Dichloroethane-d4 (Surr) | 80        |           | 70 - 130 |          | 08/01/24 12:53 | 50      |
| Toluene-d8 (Surr)            | 90        |           | 70 - 130 |          | 08/01/24 12:53 | 50      |

## Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

| Analyte                | Result  | Qualifier | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Benzo[a]anthracene     | <0.0062 |           | 0.020 | 0.0062 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Benzo[a]pyrene         | <0.0052 |           | 0.020 | 0.0052 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Benzo[b]fluoranthene   | <0.0059 |           | 0.020 | 0.0059 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Benzo[g,h,i]perylene   | <0.0061 | ^c        | 0.020 | 0.0061 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Benzo[k]fluoranthene   | <0.0045 |           | 0.020 | 0.0045 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Chrysene               | <0.0058 |           | 0.020 | 0.0058 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Dibenz(a,h)anthracene  | <0.0067 |           | 0.020 | 0.0067 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Fluoranthene           | 0.012   | J         | 0.020 | 0.0064 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.0060 | ^c        | 0.020 | 0.0060 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Naphthalene            | <0.012  |           | 0.020 | 0.012  | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Phenanthrene           | 0.021   |           | 0.020 | 0.014  | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Pyrene                 | 0.0087  | J B       | 0.020 | 0.0061 | ug/L |   | 07/29/24 08:57 | 08/02/24 20:41 | 1       |

| Surrogate               | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-methylnaphthalene-d10 | 81        |           | 46 - 102 | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Fluorene-d10 (Surr)     | 79        |           | 50 - 107 | 07/29/24 08:57 | 08/02/24 20:41 | 1       |
| Benzo(a)pyrene-d12      | 28        |           | 10 - 150 | 07/29/24 08:57 | 08/02/24 20:41 | 1       |

Eurofins Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

**Client Sample ID: INFLUENT**  
**Date Collected: 07/25/24 09:35**  
**Date Received: 07/26/24 09:50**

**Lab Sample ID: 500-254095-1**  
**Matrix: Water**

| Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued) |           |           |          |                |                |         |
|----------------------------------------------------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate                                                                        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| Fluoranthene-d10                                                                 | 77        |           | 42 - 122 | 07/29/24 08:57 | 08/02/24 20:41 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

Client Sample ID: EFFLUENT

Lab Sample ID: 500-254095-2

Date Collected: 07/25/24 09:30

Matrix: Water

Date Received: 07/26/24 09:50

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte                   | Result      | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15       |           | 0.50 | 0.15 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Bromoform                 | <0.45       |           | 1.0  | 0.45 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Carbon tetrachloride      | <0.38       |           | 1.0  | 0.38 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Chloroform                | <0.37       |           | 2.0  | 0.37 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Chloromethane             | <0.32       |           | 5.0  | 0.32 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Dichlorobromomethane      | <0.37       |           | 1.0  | 0.37 | ug/L |   |          | 08/02/24 13:01 | 1       |
| 1,2-Dichloroethane        | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 08/02/24 13:01 | 1       |
| 1,1-Dichloroethene        | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Ethylbenzene              | <0.18       |           | 0.50 | 0.18 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Methyl bromide            | <0.65       |           | 3.0  | 0.65 | ug/L |   |          | 08/02/24 13:01 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 08/02/24 13:01 | 1       |
| <b>Tetrachloroethene</b>  | <b>1.7</b>  |           | 1.0  | 0.37 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Toluene                   | <0.15       |           | 0.50 | 0.15 | ug/L |   |          | 08/02/24 13:01 | 1       |
| 1,1,1-Trichloroethane     | <0.38       |           | 1.0  | 0.38 | ug/L |   |          | 08/02/24 13:01 | 1       |
| 1,1,2-Trichloroethane     | <0.35       |           | 1.0  | 0.35 | ug/L |   |          | 08/02/24 13:01 | 1       |
| <b>Trichloroethene</b>    | <b>0.41</b> | <b>J</b>  | 0.50 | 0.16 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Vinyl chloride            | <0.20       |           | 1.0  | 0.20 | ug/L |   |          | 08/02/24 13:01 | 1       |
| Xylenes, Total            | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 08/02/24 13:01 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 85        |           | 70 - 130 |          | 08/02/24 13:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 84        |           | 70 - 130 |          | 08/02/24 13:01 | 1       |
| Toluene-d8 (Surr)            | 90        |           | 70 - 130 |          | 08/02/24 13:01 | 1       |

## Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

| Analyte                | Result        | Qualifier      | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------------|----------------|-------|--------|------|---|----------------|----------------|---------|
| Benzo[a]anthracene     | <0.0062       |                | 0.020 | 0.0062 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Benzo[a]pyrene         | <0.0052       |                | 0.020 | 0.0052 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Benzo[b]fluoranthene   | <0.0059       |                | 0.020 | 0.0059 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Benzo[g,h,i]perylene   | <0.0061       | <sup>^</sup> c | 0.020 | 0.0061 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Benzo[k]fluoranthene   | <0.0045       |                | 0.020 | 0.0045 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Chrysene               | <0.0058       |                | 0.020 | 0.0058 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Dibenz(a,h)anthracene  | <0.0067       |                | 0.020 | 0.0067 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| <b>Fluoranthene</b>    | <b>0.0087</b> | <b>J</b>       | 0.020 | 0.0064 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.0060       | <sup>^</sup> c | 0.020 | 0.0060 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Naphthalene            | <0.012        |                | 0.020 | 0.012  | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| <b>Phenanthrene</b>    | <b>0.020</b>  |                | 0.020 | 0.014  | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| <b>Pyrene</b>          | <b>0.0066</b> | <b>J B</b>     | 0.020 | 0.0061 | ug/L |   | 07/29/24 08:57 | 08/02/24 21:07 | 1       |

| Surrogate               | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-methylnaphthalene-d10 | 91        |           | 46 - 102 | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Fluorene-d10 (Surr)     | 91        |           | 50 - 107 | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Benzo(a)pyrene-d12      | 41        |           | 10 - 150 | 07/29/24 08:57 | 08/02/24 21:07 | 1       |
| Fluoranthene-d10        | 84        |           | 42 - 122 | 07/29/24 08:57 | 08/02/24 21:07 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-254095-3

Date Collected: 07/25/24 00:00

Matrix: Water

Date Received: 07/26/24 09:50

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte                      | Result    | Qualifier | LOQ      | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Benzene                      | <0.15     |           | 0.50     | 0.15 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Bromoform                    | <0.45     |           | 1.0      | 0.45 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Carbon tetrachloride         | <0.38     |           | 1.0      | 0.38 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Chloroform                   | <0.37     |           | 2.0      | 0.37 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Chloromethane                | <0.32     |           | 5.0      | 0.32 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Dichlorobromomethane         | <0.37     |           | 1.0      | 0.37 | ug/L |   |          | 08/01/24 10:58 | 1       |
| 1,2-Dichloroethane           | <0.39     |           | 1.0      | 0.39 | ug/L |   |          | 08/01/24 10:58 | 1       |
| 1,1-Dichloroethene           | <0.39     |           | 1.0      | 0.39 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Ethylbenzene                 | <0.18     |           | 0.50     | 0.18 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Methyl bromide               | <0.65     |           | 3.0      | 0.65 | ug/L |   |          | 08/01/24 10:58 | 1       |
| 1,1,2,2-Tetrachloroethane    | <0.40     |           | 1.0      | 0.40 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Tetrachloroethene            | <0.37     |           | 1.0      | 0.37 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Toluene                      | <0.15     |           | 0.50     | 0.15 | ug/L |   |          | 08/01/24 10:58 | 1       |
| 1,1,1-Trichloroethane        | <0.38     |           | 1.0      | 0.38 | ug/L |   |          | 08/01/24 10:58 | 1       |
| 1,1,2-Trichloroethane        | <0.35     |           | 1.0      | 0.35 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Trichloroethene              | <0.16     |           | 0.50     | 0.16 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Vinyl chloride               | <0.20     |           | 1.0      | 0.20 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Xylenes, Total               | <0.40     |           | 1.0      | 0.40 | ug/L |   |          | 08/01/24 10:58 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 84        |           | 70 - 130 |      |      |   |          | 08/01/24 10:58 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 81        |           | 70 - 130 |      |      |   |          | 08/01/24 10:58 | 1       |
| Toluene-d8 (Surr)            | 92        |           | 70 - 130 |      |      |   |          | 08/01/24 10:58 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                            |
|-----------|----------------------------------------------------------------------------------|
| J         | Reported value was between the limit of detection and the limit of quantitation. |

#### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                            |
|-----------|----------------------------------------------------------------------------------|
| ^c        | CCV Recovery is outside acceptance limits.                                       |
| B         | Compound was found in the blank and sample.                                      |
| J         | Reported value was between the limit of detection and the limit of quantitation. |

### 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

### GC/MS VOA

#### Analysis Batch: 779382

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 500-254095-1      | INFLUENT           | Total/NA  | Water  | 624.1  |            |
| 500-254095-1 - DL | INFLUENT           | Total/NA  | Water  | 624.1  |            |
| 500-254095-3      | Trip Blank         | Total/NA  | Water  | 624.1  |            |
| MB 500-779382/7   | Method Blank       | Total/NA  | Water  | 624.1  |            |
| LCS 500-779382/4  | Lab Control Sample | Total/NA  | Water  | 624.1  |            |

#### Analysis Batch: 779607

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 500-254095-2     | EFFLUENT           | Total/NA  | Water  | 624.1  |            |
| MB 500-779607/7  | Method Blank       | Total/NA  | Water  | 624.1  |            |
| LCS 500-779607/5 | Lab Control Sample | Total/NA  | Water  | 624.1  |            |

### GC/MS Semi VOA

#### Prep Batch: 206913

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-254095-1        | INFLUENT               | Total/NA  | Water  | 3510C  |            |
| 500-254095-2        | EFFLUENT               | Total/NA  | Water  | 3510C  |            |
| MB 200-206913/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 200-206913/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 200-206913/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

#### Analysis Batch: 207119

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 500-254095-1        | INFLUENT               | Total/NA  | Water  | 8270E SIM | 206913     |
| 500-254095-2        | EFFLUENT               | Total/NA  | Water  | 8270E SIM | 206913     |
| MB 200-206913/1-A   | Method Blank           | Total/NA  | Water  | 8270E SIM | 206913     |
| LCS 200-206913/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270E SIM | 206913     |
| LCSD 200-206913/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270E SIM | 206913     |



# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID     | Client Sample ID   | BFB<br>(70-130) | DCA<br>(70-130) | TOL<br>(70-130) |
|-------------------|--------------------|-----------------|-----------------|-----------------|
| 500-254095-1      | INFLUENT           | 84              | 81              | 92              |
| 500-254095-1 - DL | INFLUENT           | 84              | 80              | 90              |
| 500-254095-2      | EFFLUENT           | 85              | 84              | 90              |
| 500-254095-3      | Trip Blank         | 84              | 81              | 92              |
| LCS 500-779382/4  | Lab Control Sample | 85              | 80              | 95              |
| LCS 500-779607/5  | Lab Control Sample | 90              | 79              | 92              |
| MB 500-779382/7   | Method Blank       | 87              | 80              | 93              |
| MB 500-779607/7   | Method Blank       | 88              | 83              | 90              |

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | 2MN<br>(46-102) | FLR<br>(50-107) | BNAPd12<br>(10-150) | FLN<br>(42-122) |
|---------------------|------------------------|-----------------|-----------------|---------------------|-----------------|
| 500-254095-1        | INFLUENT               | 81              | 79              | 28                  | 77              |
| 500-254095-2        | EFFLUENT               | 91              | 91              | 41                  | 84              |
| LCS 200-206913/2-A  | Lab Control Sample     | 84              | 89              | 97                  | 88              |
| LCSD 200-206913/3-A | Lab Control Sample Dup | 80              | 83              | 91                  | 84              |
| MB 200-206913/1-A   | Method Blank           | 65              | 71              | 78                  | 73              |

#### Surrogate Legend

2MN = 2-methylnaphthalene-d10

FLR = Fluorene-d10 (Surr)

BNAPd12 = Benzo(a)pyrene-d12

FLN = Fluoranthene-d10

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-779382/7

Matrix: Water

Analysis Batch: 779382

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Bromoform                 | <0.45     |              | 1.0  | 0.45 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Carbon tetrachloride      | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Chloroform                | 0.657     | J            | 2.0  | 0.37 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Chloromethane             | <0.32     |              | 5.0  | 0.32 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Dichlorobromomethane      | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 08/01/24 10:13 | 1       |
| 1,2-Dichloroethane        | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 08/01/24 10:13 | 1       |
| 1,1-Dichloroethene        | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Ethylbenzene              | <0.18     |              | 0.50 | 0.18 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Methyl bromide            | <0.65     |              | 3.0  | 0.65 | ug/L |   |          | 08/01/24 10:13 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Tetrachloroethene         | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Toluene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 08/01/24 10:13 | 1       |
| 1,1,1-Trichloroethane     | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 08/01/24 10:13 | 1       |
| 1,1,2-Trichloroethane     | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Trichloroethene           | <0.16     |              | 0.50 | 0.16 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Vinyl chloride            | <0.20     |              | 1.0  | 0.20 | ug/L |   |          | 08/01/24 10:13 | 1       |
| Xylenes, Total            | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 08/01/24 10:13 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 87           |              | 70 - 130 |          | 08/01/24 10:13 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 80           |              | 70 - 130 |          | 08/01/24 10:13 | 1       |
| Toluene-d8 (Surr)            | 93           |              | 70 - 130 |          | 08/01/24 10:13 | 1       |

Lab Sample ID: LCS 500-779382/4

Matrix: Water

Analysis Batch: 779382

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        | 44.2       |               | ug/L |   | 88   | 65 - 135    |
| Bromoform                 | 50.0        | 44.5       |               | ug/L |   | 89   | 70 - 130    |
| Carbon tetrachloride      | 50.0        | 49.7       |               | ug/L |   | 99   | 70 - 130    |
| Chloroform                | 50.0        | 45.3       |               | ug/L |   | 91   | 70 - 135    |
| Chloromethane             | 50.0        | 49.6       |               | ug/L |   | 99   | 10 - 205    |
| Dichlorobromomethane      | 50.0        | 43.2       |               | ug/L |   | 86   | 65 - 135    |
| 1,2-Dichloroethane        | 50.0        | 39.2       |               | ug/L |   | 78   | 70 - 130    |
| 1,1-Dichloroethene        | 50.0        | 48.5       |               | ug/L |   | 97   | 50 - 150    |
| Ethylbenzene              | 50.0        | 46.8       |               | ug/L |   | 94   | 60 - 140    |
| Methyl bromide            | 50.0        | 61.5       |               | ug/L |   | 123  | 15 - 185    |
| 1,1,2,2-Tetrachloroethane | 50.0        | 41.1       |               | ug/L |   | 82   | 60 - 140    |
| Tetrachloroethene         | 50.0        | 47.8       |               | ug/L |   | 96   | 70 - 130    |
| Toluene                   | 50.0        | 44.2       |               | ug/L |   | 88   | 70 - 130    |
| 1,1,1-Trichloroethane     | 50.0        | 49.3       |               | ug/L |   | 99   | 70 - 130    |
| 1,1,2-Trichloroethane     | 50.0        | 44.3       |               | ug/L |   | 89   | 70 - 130    |
| Trichloroethene           | 50.0        | 44.1       |               | ug/L |   | 88   | 65 - 135    |
| Vinyl chloride            | 50.0        | 55.7       |               | ug/L |   | 111  | 5 - 195     |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-779382/4

Matrix: Water

Analysis Batch: 779382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                              | LCS       | LCS       |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr)  | 85        |           | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 80        |           | 70 - 130 |
| Toluene-d8 (Surr)            | 95        |           | 70 - 130 |

Lab Sample ID: MB 500-779607/7

Matrix: Water

Analysis Batch: 779607

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB     | MB        | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
|                           | Result | Qualifier |      |      |      |   |          |                |         |
| Benzene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Bromoform                 | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Carbon tetrachloride      | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Chloroform                | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Chloromethane             | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Dichlorobromomethane      | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 08/02/24 11:44 | 1       |
| 1,2-Dichloroethane        | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 08/02/24 11:44 | 1       |
| 1,1-Dichloroethene        | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Ethylbenzene              | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Methyl bromide            | <0.65  |           | 3.0  | 0.65 | ug/L |   |          | 08/02/24 11:44 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 08/02/24 11:44 | 1       |
| 1,1,1-Trichloroethane     | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 08/02/24 11:44 | 1       |
| 1,1,2-Trichloroethane     | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Trichloroethene           | <0.16  |           | 0.50 | 0.16 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 08/02/24 11:44 | 1       |
| Xylenes, Total            | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 08/02/24 11:44 | 1       |

|                              | MB        | MB        |          |  |  |          |                |         |  |
|------------------------------|-----------|-----------|----------|--|--|----------|----------------|---------|--|
| Surrogate                    | %Recovery | Qualifier | Limits   |  |  | Prepared | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)  | 88        |           | 70 - 130 |  |  |          | 08/02/24 11:44 | 1       |  |
| 1,2-Dichloroethane-d4 (Surr) | 83        |           | 70 - 130 |  |  |          | 08/02/24 11:44 | 1       |  |
| Toluene-d8 (Surr)            | 90        |           | 70 - 130 |  |  |          | 08/02/24 11:44 | 1       |  |

Lab Sample ID: LCS 500-779607/5

Matrix: Water

Analysis Batch: 779607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike | LCS    | LCS       | Unit | D | %Rec | %Rec | Limits   |  |
|----------------------|-------|--------|-----------|------|---|------|------|----------|--|
|                      | Added | Result | Qualifier |      |   |      |      |          |  |
| Benzene              | 50.0  | 49.5   |           | ug/L |   | 99   |      | 65 - 135 |  |
| Bromoform            | 50.0  | 42.3   |           | ug/L |   | 85   |      | 70 - 130 |  |
| Carbon tetrachloride | 50.0  | 47.6   |           | ug/L |   | 95   |      | 70 - 130 |  |
| Chloroform           | 50.0  | 45.6   |           | ug/L |   | 91   |      | 70 - 135 |  |
| Chloromethane        | 50.0  | 43.3   |           | ug/L |   | 87   |      | 10 - 205 |  |
| Dichlorobromomethane | 50.0  | 44.7   |           | ug/L |   | 89   |      | 65 - 135 |  |
| 1,2-Dichloroethane   | 50.0  | 44.8   |           | ug/L |   | 90   |      | 70 - 130 |  |
| 1,1-Dichloroethene   | 50.0  | 48.4   |           | ug/L |   | 97   |      | 50 - 150 |  |
| Ethylbenzene         | 50.0  | 45.1   |           | ug/L |   | 90   |      | 60 - 140 |  |
| Methyl bromide       | 50.0  | 59.1   |           | ug/L |   | 118  |      | 15 - 185 |  |

Eurofins Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-779607/5

Matrix: Water

Analysis Batch: 779607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,2,2-Tetrachloroethane | 50.0        | 50.4       |               | ug/L |   | 101  | 60 - 140    |
| Tetrachloroethene         | 50.0        | 49.5       |               | ug/L |   | 99   | 70 - 130    |
| Toluene                   | 50.0        | 47.9       |               | ug/L |   | 96   | 70 - 130    |
| 1,1,1-Trichloroethane     | 50.0        | 46.3       |               | ug/L |   | 93   | 70 - 130    |
| 1,1,2-Trichloroethane     | 50.0        | 44.8       |               | ug/L |   | 90   | 70 - 130    |
| Trichloroethene           | 50.0        | 49.1       |               | ug/L |   | 98   | 65 - 135    |
| Vinyl chloride            | 50.0        | 41.3       |               | ug/L |   | 83   | 5 - 195     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 90            |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 79            |               | 70 - 130 |
| Toluene-d8 (Surr)            | 92            |               | 70 - 130 |

## Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 200-206913/1-A

Matrix: Water

Analysis Batch: 207119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 206913

| Analyte                | MB Result | MB Qualifier | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| Benzo[a]anthracene     | <0.0063   |              | 0.020 | 0.0063 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Benzo[a]pyrene         | <0.0053   |              | 0.020 | 0.0053 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Benzo[b]fluoranthene   | <0.0060   |              | 0.020 | 0.0060 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Benzo[g,h,i]perylene   | <0.0062   |              | 0.020 | 0.0062 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Benzo[k]fluoranthene   | <0.0046   |              | 0.020 | 0.0046 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Chrysene               | <0.0059   |              | 0.020 | 0.0059 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Dibenz(a,h)anthracene  | <0.0068   |              | 0.020 | 0.0068 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Fluoranthene           | <0.0065   |              | 0.020 | 0.0065 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.0061   |              | 0.020 | 0.0061 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Naphthalene            | <0.012    |              | 0.020 | 0.012  | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Phenanthrene           | <0.014    |              | 0.020 | 0.014  | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Pyrene                 | 0.00884   | J            | 0.020 | 0.0062 | ug/L |   | 07/29/24 08:57 | 08/02/24 19:22 | 1       |

| Surrogate               | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2-methylnaphthalene-d10 | 65           |              | 46 - 102 | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Fluorene-d10 (Surr)     | 71           |              | 50 - 107 | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Benzo(a)pyrene-d12      | 78           |              | 10 - 150 | 07/29/24 08:57 | 08/02/24 19:22 | 1       |
| Fluoranthene-d10        | 73           |              | 42 - 122 | 07/29/24 08:57 | 08/02/24 19:22 | 1       |

Lab Sample ID: LCS 200-206913/2-A

Matrix: Water

Analysis Batch: 207119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206913

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzo[a]anthracene   | 0.400       | 0.343      |               | ug/L |   | 86   | 64 - 144    |
| Benzo[a]pyrene       | 0.400       | 0.322      |               | ug/L |   | 80   | 49 - 126    |
| Benzo[b]fluoranthene | 0.400       | 0.357      |               | ug/L |   | 89   | 55 - 141    |
| Benzo[g,h,i]perylene | 0.400       | 0.244      |               | ug/L |   | 61   | 38 - 148    |

Eurofins Chicago



# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

## Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 200-206913/2-A

Matrix: Water

Analysis Batch: 207119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206913

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzo[k]fluoranthene   | 0.400       | 0.321      |               | ug/L |   | 80   | 52 - 122    |
| Chrysene               | 0.400       | 0.310      |               | ug/L |   | 77   | 58 - 134    |
| Dibenz(a,h)anthracene  | 0.400       | 0.288      |               | ug/L |   | 72   | 45 - 145    |
| Fluoranthene           | 0.400       | 0.353      |               | ug/L |   | 88   | 55 - 150    |
| Indeno[1,2,3-cd]pyrene | 0.400       | 0.279      |               | ug/L |   | 70   | 47 - 144    |
| Naphthalene            | 0.400       | 0.286      |               | ug/L |   | 72   | 48 - 110    |
| Phenanthrene           | 0.400       | 0.327      |               | ug/L |   | 82   | 53 - 126    |
| Pyrene                 | 0.400       | 0.301      |               | ug/L |   | 75   | 45 - 132    |

| Surrogate               | LCS %Recovery | LCS Qualifier | Limits   |
|-------------------------|---------------|---------------|----------|
| 2-methylnaphthalene-d10 | 84            |               | 46 - 102 |
| Fluorene-d10 (Surr)     | 89            |               | 50 - 107 |
| Benzo(a)pyrene-d12      | 97            |               | 10 - 150 |
| Fluoranthene-d10        | 88            |               | 42 - 122 |

Lab Sample ID: LCSD 200-206913/3-A

Matrix: Water

Analysis Batch: 207119

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 206913

| Analyte                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
| Benzo[a]anthracene     | 0.400       | 0.324       |                | ug/L |   | 81   | 64 - 144    | 6   | 30    |
| Benzo[a]pyrene         | 0.400       | 0.309       |                | ug/L |   | 77   | 49 - 126    | 4   | 30    |
| Benzo[b]fluoranthene   | 0.400       | 0.353       |                | ug/L |   | 88   | 55 - 141    | 1   | 30    |
| Benzo[g,h,i]perylene   | 0.400       | 0.235       |                | ug/L |   | 59   | 38 - 148    | 3   | 30    |
| Benzo[k]fluoranthene   | 0.400       | 0.296       |                | ug/L |   | 74   | 52 - 122    | 8   | 30    |
| Chrysene               | 0.400       | 0.292       |                | ug/L |   | 73   | 58 - 134    | 6   | 30    |
| Dibenz(a,h)anthracene  | 0.400       | 0.278       |                | ug/L |   | 70   | 45 - 145    | 3   | 30    |
| Fluoranthene           | 0.400       | 0.341       |                | ug/L |   | 85   | 55 - 150    | 3   | 30    |
| Indeno[1,2,3-cd]pyrene | 0.400       | 0.272       |                | ug/L |   | 68   | 47 - 144    | 2   | 30    |
| Naphthalene            | 0.400       | 0.275       |                | ug/L |   | 69   | 48 - 110    | 4   | 30    |
| Phenanthrene           | 0.400       | 0.312       |                | ug/L |   | 78   | 53 - 126    | 5   | 30    |
| Pyrene                 | 0.400       | 0.286       |                | ug/L |   | 72   | 45 - 132    | 5   | 30    |

| Surrogate               | LCSD %Recovery | LCSD Qualifier | Limits   |
|-------------------------|----------------|----------------|----------|
| 2-methylnaphthalene-d10 | 80             |                | 46 - 102 |
| Fluorene-d10 (Surr)     | 83             |                | 50 - 107 |
| Benzo(a)pyrene-d12      | 91             |                | 10 - 150 |
| Fluoranthene-d10        | 84             |                | 42 - 122 |

Eurofins Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

## Client Sample ID: INFLUENT

Date Collected: 07/25/24 09:35

Date Received: 07/26/24 09:50

## Lab Sample ID: 500-254095-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Analysis   | 624.1        |     | 1               | 779382       | W1T     | EET CHI | 08/01/24 12:30                               |
| Total/NA  | Analysis   | 624.1        | DL  | 50              | 779382       | W1T     | EET CHI | 08/01/24 12:53                               |
| Total/NA  | Prep       | 3510C        |     |                 | 206913       | JCG     | EET BUR | 07/29/24 08:57 - 07/29/24 14:41 <sup>1</sup> |
| Total/NA  | Analysis   | 8270E SIM    |     | 1               | 207119       | K1P     | EET BUR | 08/02/24 20:41                               |

## Client Sample ID: EFFLUENT

Date Collected: 07/25/24 09:30

Date Received: 07/26/24 09:50

## Lab Sample ID: 500-254095-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Analysis   | 624.1        |     | 1               | 779607       | W1T     | EET CHI | 08/02/24 13:01                               |
| Total/NA  | Prep       | 3510C        |     |                 | 206913       | JCG     | EET BUR | 07/29/24 08:57 - 07/29/24 14:41 <sup>1</sup> |
| Total/NA  | Analysis   | 8270E SIM    |     | 1               | 207119       | K1P     | EET BUR | 08/02/24 21:07                               |

## Client Sample ID: Trip Blank

Date Collected: 07/25/24 00:00

Date Received: 07/26/24 09:50

## Lab Sample ID: 500-254095-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 624.1        |     | 1               | 779382       | W1T     | EET CHI | 08/01/24 10:58       |

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-254095-1

Laboratory: Eurofins Chicago

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 999580010             | 08-31-24        |

Laboratory: Eurofins Burlington

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 399140830             | 08-31-24        |

|    |
|----|
| 1  |
| 2  |
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 **eurofins** | Environment Testing

~~Page 21 of 26~~



ANDY STEIN

TRC ENVIRONMENTAL CORPORATION  
999 FOURIER DRIVE  
SUITE 101  
MADISON, WI 53717  
UNITED STATES US

CAD: 07803077CAFE3808

Part # 159499-434 M/TW EXP 01/25

TO **SAMPLE RECEIPT**  
**EUROFINS CHICAGO**  
**2417 BOND ST.**



**UNIVERSITY PARK IL 60484**

(708) 634-5200

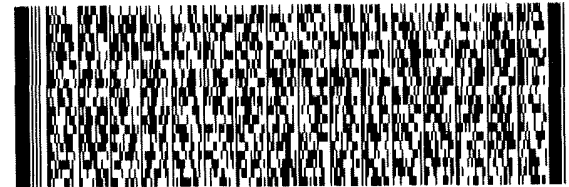
REF:

500-254095 Waybi

PG:

DEPT:

RMA. ||| ||| |||



**FedEx**  
Express



10/22/11 10:20:14Z

TRK# 4051 7962 2710  
0221

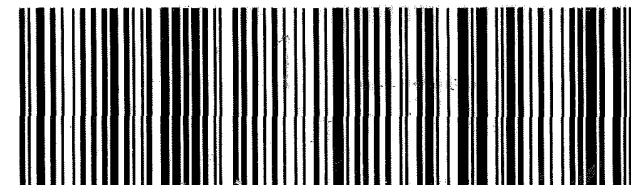
**RETURNS MON-SAT**  
**PRIORITY OVERNIGHT**

**FedEx**  
TRK# 4051 7962 2710  
0221

**FRI - 26 JUL 10:30A**  
**PRIORITY OVERNIGHT**

**XP JOTA**

**60484**  
**IL-US ORD**



Part # 156297-435 R/DOB EXP 05/25

2417 Bond Street  
University Park, IL 60484  
Phone 708-534-5200 Fax 708-534-5211



15 | Environment Testing

[illegible]

Ver: 04/02/2024

ORIGIN ID: JOTA (708) 534-5200  
SAMPLE LOGIN  
EUROFINS CHICAGO  
2417 BOND ST

UNIVERSITY PARK IL 60484  
UNITED STATES US

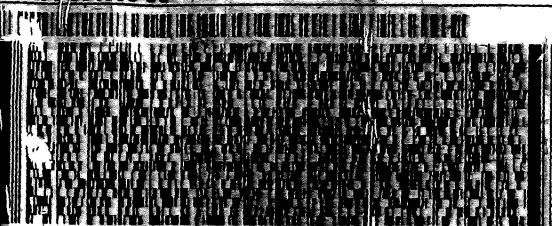
SHIP DATE: 26 JUL 24  
ACTWT: 35.00 LB MAN  
CAD: 0675858/CAFE3808

BILL SENDER

Part # 150408-434 NTW EXP 04/25

**SAMPLE RECEIPT**  
**EUROFINS - BURLINGTON**  
**530 COMMUNITY DRIVE**  
**SUITE 11**  
**SOUTH BURLINGTON VT 05403**

(802) 881-1130  
REF: 254096 SS



**FedEx**  
Express

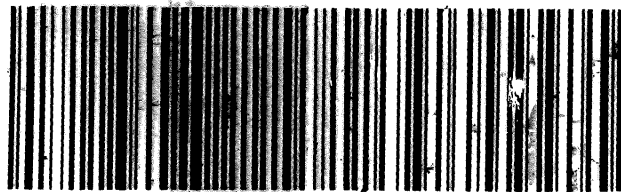


TRK 7051 7620 4444  
0201

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

**XO BTVA**

**05403**  
**VT-US BTV**



## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-254095-1

Login Number: 254095

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ 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   | 1.3     |
| 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.                  | True   |         |
| 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-254095-1

**Login Number: 254095**

**List Number: 2**

**Creator: Khudaier, Zahraa**

**List Source: Eurofins Burlington**

**List Creation: 07/27/24 10:59 AM**

| Question                                                                                 | Answer | Comment                                  |
|------------------------------------------------------------------------------------------|--------|------------------------------------------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact.                                        | True   | 2468727                                  |
| 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   | 2.5°C                                    |
| 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.                  | True   |                                          |
| 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.                                                    | N/A    |                                          |
| 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 $<6\text{mm}$ (1/4"). | True   |                                          |
| Multiphasic samples are not present.                                                     | True   |                                          |
| Samples do not require splitting or compositing.                                         | True   |                                          |
| Residual Chlorine Checked.                                                               | N/A    |                                          |



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 10/28/2024 11:44:32 AM

## JOB DESCRIPTION

MadisonKipp GETS 581184.0000.0000

## JOB NUMBER

500-258031-1

# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
10/28/2024 11:44:32 AM

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
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## Case Narrative

Client: TRC Environmental Corporation  
Project: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

**Job ID: 500-258031-1**

**Eurofins Chicago**

### Job Narrative 500-258031-1

#### Receipt

The samples were received on 10/08/24 09:35. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3° C.

#### GC/MS VOA

Method 624.1: The method blank for analytical batch 500-791254 contained Methylene Chloride and Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

#### GC/MS Semi VOA

Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 200-210162 was outside the method criteria for the following analyte(s): Pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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.

Eurofins Chicago

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

### Client Sample ID: Effluent

Lab Sample ID: 500-258031-1

| Analyte           | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 1.5    |           | 1.0  | 0.37 | ug/L | 1       |   | 624.1  | Total/NA  |
| Trichloroethene   | 0.55   |           | 0.50 | 0.16 | ug/L | 1       |   | 624.1  | Total/NA  |

### Client Sample ID: Influent

Lab Sample ID: 500-258031-2

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Trichloroethene        | 130    |           | 0.50 | 0.16 | ug/L | 1       |   | 624.1  | Total/NA  |
| Vinyl chloride         | 0.52   | J         | 1.0  | 0.20 | ug/L | 1       |   | 624.1  | Total/NA  |
| Tetrachloroethene - DL | 880    |           | 5.0  | 1.9  | ug/L | 5       |   | 624.1  | Total/NA  |

### Client Sample ID: Trip Blank

Lab Sample ID: 500-258031-3

No Detections.

This Detection Summary does not include radiochemical test results.

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# Method Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

| Method    | Method Description                           | Protocol | Laboratory |
|-----------|----------------------------------------------|----------|------------|
| 624.1     | Volatile Organic Compounds (GC/MS)           | EPA      | EET CHI    |
| 8270E SIM | Semivolatile Organic Compounds (GC/MS SIM)   | SW846    | EET BUR    |
| 3510C     | Liquid-Liquid Extraction (Separatory Funnel) | SW846    | EET BUR    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-258031-1  | Effluent         | Water  | 10/07/24 10:15 | 10/08/24 09:35 |
| 500-258031-2  | Influent         | Water  | 10/07/24 10:20 | 10/08/24 09:35 |
| 500-258031-3  | Trip Blank       | Water  | 10/07/24 00:00 | 10/08/24 09:35 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

Client Sample ID: Effluent

Lab Sample ID: 500-258031-1

Date Collected: 10/07/24 10:15

Matrix: Water

Date Received: 10/08/24 09:35

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte                   | Result      | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15       |           | 0.50 | 0.15 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Bromoform                 | <0.45       |           | 1.0  | 0.45 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Carbon tetrachloride      | <0.38       |           | 1.0  | 0.38 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Chloroform                | <0.37       |           | 2.0  | 0.37 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Chloromethane             | <0.32       |           | 5.0  | 0.32 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Dichlorobromomethane      | <0.37       |           | 1.0  | 0.37 | ug/L |   |          | 10/18/24 18:14 | 1       |
| 1,2-Dichloroethane        | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 10/18/24 18:14 | 1       |
| 1,1-Dichloroethene        | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Ethylbenzene              | <0.18       |           | 0.50 | 0.18 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Methyl bromide            | <0.65       |           | 3.0  | 0.65 | ug/L |   |          | 10/18/24 18:14 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 10/18/24 18:14 | 1       |
| <b>Tetrachloroethene</b>  | <b>1.5</b>  |           | 1.0  | 0.37 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Toluene                   | <0.15       |           | 0.50 | 0.15 | ug/L |   |          | 10/18/24 18:14 | 1       |
| 1,1,1-Trichloroethane     | <0.38       |           | 1.0  | 0.38 | ug/L |   |          | 10/18/24 18:14 | 1       |
| 1,1,2-Trichloroethane     | <0.35       |           | 1.0  | 0.35 | ug/L |   |          | 10/18/24 18:14 | 1       |
| <b>Trichloroethene</b>    | <b>0.55</b> |           | 0.50 | 0.16 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Vinyl chloride            | <0.20       |           | 1.0  | 0.20 | ug/L |   |          | 10/18/24 18:14 | 1       |
| Xylenes, Total            | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 10/18/24 18:14 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 85        |           | 70 - 130 |          | 10/18/24 18:14 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 89        |           | 70 - 130 |          | 10/18/24 18:14 | 1       |
| Toluene-d8 (Surr)            | 83        |           | 70 - 130 |          | 10/18/24 18:14 | 1       |

## Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

| Analyte                | Result  | Qualifier | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Benzo[a]anthracene     | <0.0062 |           | 0.020 | 0.0062 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Benzo[a]pyrene         | <0.0052 |           | 0.020 | 0.0052 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Benzo[b]fluoranthene   | <0.0059 |           | 0.020 | 0.0059 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Benzo[g,h,i]perylene   | <0.0061 |           | 0.020 | 0.0061 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Benzo[k]fluoranthene   | <0.0046 |           | 0.020 | 0.0046 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Chrysene               | <0.0058 |           | 0.020 | 0.0058 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Dibenz(a,h)anthracene  | <0.0067 |           | 0.020 | 0.0067 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Fluoranthene           | <0.0064 |           | 0.020 | 0.0064 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.0060 |           | 0.020 | 0.0060 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Naphthalene            | <0.012  |           | 0.020 | 0.012  | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Phenanthrene           | <0.014  |           | 0.020 | 0.014  | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Pyrene                 | <0.0061 | ^c        | 0.020 | 0.0061 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:56 | 1       |

| Surrogate               | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-methylnaphthalene-d10 | 79        |           | 46 - 102 | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Fluorene-d10 (Surr)     | 80        |           | 50 - 107 | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Benzo(a)pyrene-d12      | 38        |           | 10 - 150 | 10/14/24 11:00 | 10/25/24 18:56 | 1       |
| Fluoranthene-d10        | 74        |           | 42 - 122 | 10/14/24 11:00 | 10/25/24 18:56 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

Client Sample ID: Influent

Lab Sample ID: 500-258031-2

Date Collected: 10/07/24 10:20

Matrix: Water

Date Received: 10/08/24 09:35

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Bromoform                 | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Carbon tetrachloride      | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Chloroform                | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Chloromethane             | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Dichlorobromomethane      | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 10/19/24 23:21 | 1       |
| 1,2-Dichloroethane        | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 10/19/24 23:21 | 1       |
| 1,1-Dichloroethene        | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Ethylbenzene              | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Methyl bromide            | <0.65  |           | 3.0  | 0.65 | ug/L |   |          | 10/19/24 23:21 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 10/19/24 23:21 | 1       |
| 1,1,1-Trichloroethane     | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 10/19/24 23:21 | 1       |
| 1,1,2-Trichloroethane     | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Trichloroethene           | 130    |           | 0.50 | 0.16 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Vinyl chloride            | 0.52 J |           | 1.0  | 0.20 | ug/L |   |          | 10/19/24 23:21 | 1       |
| Xylenes, Total            | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 10/19/24 23:21 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 130 |          | 10/19/24 23:21 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 114       |           | 70 - 130 |          | 10/19/24 23:21 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 70 - 130 |          | 10/19/24 23:21 | 1       |

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS) - DL

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 880    |           | 5.0 | 1.9 | ug/L |   |          | 10/18/24 21:14 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 85        |           | 70 - 130 |          | 10/18/24 21:14 | 5       |
| 1,2-Dichloroethane-d4 (Surr) | 86        |           | 70 - 130 |          | 10/18/24 21:14 | 5       |
| Toluene-d8 (Surr)            | 81        |           | 70 - 130 |          | 10/18/24 21:14 | 5       |

## Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

| Analyte                | Result  | Qualifier | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Benzo[a]anthracene     | <0.0062 |           | 0.020 | 0.0062 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Benzo[a]pyrene         | <0.0052 |           | 0.020 | 0.0052 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Benzo[b]fluoranthene   | <0.0059 |           | 0.020 | 0.0059 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Benzo[g,h,i]perylene   | <0.0061 |           | 0.020 | 0.0061 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Benzo[k]fluoranthene   | <0.0046 |           | 0.020 | 0.0046 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Chrysene               | <0.0058 |           | 0.020 | 0.0058 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Dibenz(a,h)anthracene  | <0.0067 |           | 0.020 | 0.0067 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Fluoranthene           | <0.0064 |           | 0.020 | 0.0064 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.0060 |           | 0.020 | 0.0060 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Naphthalene            | <0.012  |           | 0.020 | 0.012  | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Phenanthrene           | <0.014  |           | 0.020 | 0.014  | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Pyrene                 | <0.0061 | ^c        | 0.020 | 0.0061 | ug/L |   | 10/14/24 11:00 | 10/25/24 19:22 | 1       |

| Surrogate               | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-methylnaphthalene-d10 | 80        |           | 46 - 102 | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Fluorene-d10 (Surr)     | 80        |           | 50 - 107 | 10/14/24 11:00 | 10/25/24 19:22 | 1       |
| Benzo(a)pyrene-d12      | 76        |           | 10 - 150 | 10/14/24 11:00 | 10/25/24 19:22 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

**Client Sample ID: Influent**  
**Date Collected: 10/07/24 10:20**  
**Date Received: 10/08/24 09:35**

**Lab Sample ID: 500-258031-2**  
**Matrix: Water**

**Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)**

| Surrogate        | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| Fluoranthene-d10 | 78        |           | 42 - 122 | 10/14/24 11:00 | 10/25/24 19:22 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-258031-3

Date Collected: 10/07/24 00:00

Matrix: Water

Date Received: 10/08/24 09:35

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte                      | Result    | Qualifier | LOQ      | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Benzene                      | <0.15     |           | 0.50     | 0.15 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Bromoform                    | <0.45     |           | 1.0      | 0.45 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Carbon tetrachloride         | <0.38     |           | 1.0      | 0.38 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Chloroform                   | <0.37     |           | 2.0      | 0.37 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Chloromethane                | <0.32     |           | 5.0      | 0.32 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Dichlorobromomethane         | <0.37     |           | 1.0      | 0.37 | ug/L |   |          | 10/18/24 14:22 | 1       |
| 1,2-Dichloroethane           | <0.39     |           | 1.0      | 0.39 | ug/L |   |          | 10/18/24 14:22 | 1       |
| 1,1-Dichloroethene           | <0.39     |           | 1.0      | 0.39 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Ethylbenzene                 | <0.18     |           | 0.50     | 0.18 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Methyl bromide               | <0.65     |           | 3.0      | 0.65 | ug/L |   |          | 10/18/24 14:22 | 1       |
| 1,1,2,2-Tetrachloroethane    | <0.40     |           | 1.0      | 0.40 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Tetrachloroethene            | <0.37     |           | 1.0      | 0.37 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Toluene                      | <0.15     |           | 0.50     | 0.15 | ug/L |   |          | 10/18/24 14:22 | 1       |
| 1,1,1-Trichloroethane        | <0.38     |           | 1.0      | 0.38 | ug/L |   |          | 10/18/24 14:22 | 1       |
| 1,1,2-Trichloroethane        | <0.35     |           | 1.0      | 0.35 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Trichloroethene              | <0.16     |           | 0.50     | 0.16 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Vinyl chloride               | <0.20     |           | 1.0      | 0.20 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Xylenes, Total               | <0.40     |           | 1.0      | 0.40 | ug/L |   |          | 10/18/24 14:22 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)  | 84        |           | 70 - 130 |      |      |   |          | 10/18/24 14:22 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 89        |           | 70 - 130 |      |      |   |          | 10/18/24 14:22 | 1       |
| Toluene-d8 (Surr)            | 82        |           | 70 - 130 |      |      |   |          | 10/18/24 14:22 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                            |
|-----------|----------------------------------------------------------------------------------|
| J         | Reported value was between the limit of detection and the limit of quantitation. |

#### GC/MS Semi VOA

| Qualifier | Qualifier Description                      |
|-----------|--------------------------------------------|
| ^c        | CCV Recovery is outside acceptance limits. |

### 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## GC/MS VOA

### Analysis Batch: 791254

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 500-258031-1      | Effluent           | Total/NA  | Water  | 624.1  |            |
| 500-258031-2 - DL | Influent           | Total/NA  | Water  | 624.1  |            |
| 500-258031-3      | Trip Blank         | Total/NA  | Water  | 624.1  |            |
| MB 500-791254/8   | Method Blank       | Total/NA  | Water  | 624.1  |            |
| LCS 500-791254/33 | Lab Control Sample | Total/NA  | Water  | 624.1  |            |
| 500-258031-1 MS   | Effluent           | Total/NA  | Water  | 624.1  |            |
| 500-258031-1 MSD  | Effluent           | Total/NA  | Water  | 624.1  |            |

### Analysis Batch: 791470

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-258031-2      | Influent               | Total/NA  | Water  | 624.1  |            |
| MB 500-791470/8   | Method Blank           | Total/NA  | Water  | 624.1  |            |
| LCS 500-791470/4  | Lab Control Sample     | Total/NA  | Water  | 624.1  |            |
| LCSD 500-791470/5 | Lab Control Sample Dup | Total/NA  | Water  | 624.1  |            |

## GC/MS Semi VOA

### Prep Batch: 209618

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-258031-1        | Effluent               | Total/NA  | Water  | 3510C  |            |
| 500-258031-2        | Influent               | Total/NA  | Water  | 3510C  |            |
| MB 200-209618/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 200-209618/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 200-209618/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 210162

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 500-258031-1        | Effluent               | Total/NA  | Water  | 8270E SIM | 209618     |
| 500-258031-2        | Influent               | Total/NA  | Water  | 8270E SIM | 209618     |
| MB 200-209618/1-A   | Method Blank           | Total/NA  | Water  | 8270E SIM | 209618     |
| LCS 200-209618/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270E SIM | 209618     |
| LCSD 200-209618/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270E SIM | 209618     |

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID     | Client Sample ID       | BFB      | DCA      | TOL      |  |  |  |  |
|-------------------|------------------------|----------|----------|----------|--|--|--|--|
|                   |                        | (70-130) | (70-130) | (70-130) |  |  |  |  |
| 500-258031-1      | Effluent               | 85       | 89       | 83       |  |  |  |  |
| 500-258031-1 MS   | Effluent               | 86       | 83       | 84       |  |  |  |  |
| 500-258031-1 MSD  | Effluent               | 85       | 82       | 86       |  |  |  |  |
| 500-258031-2 - DL | Influent               | 85       | 86       | 81       |  |  |  |  |
| 500-258031-2      | Influent               | 101      | 114      | 97       |  |  |  |  |
| 500-258031-3      | Trip Blank             | 84       | 89       | 82       |  |  |  |  |
| LCS 500-791254/33 | Lab Control Sample     | 82       | 80       | 87       |  |  |  |  |
| LCS 500-791470/4  | Lab Control Sample     | 100      | 109      | 97       |  |  |  |  |
| LCSD 500-791470/5 | Lab Control Sample Dup | 104      | 108      | 98       |  |  |  |  |
| MB 500-791254/8   | Method Blank           | 83       | 88       | 84       |  |  |  |  |
| MB 500-791470/8   | Method Blank           | 107      | 111      | 99       |  |  |  |  |

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | 2MN      | FLR      | BNAPd12  | FLN      |  |  |  |  |
|---------------------|------------------------|----------|----------|----------|----------|--|--|--|--|
|                     |                        | (46-102) | (50-107) | (10-150) | (42-122) |  |  |  |  |
| 500-258031-1        | Effluent               | 79       | 80       | 38       | 74       |  |  |  |  |
| 500-258031-2        | Influent               | 80       | 80       | 76       | 78       |  |  |  |  |
| LCS 200-209618/2-A  | Lab Control Sample     | 79       | 80       | 81       | 80       |  |  |  |  |
| LCSD 200-209618/3-A | Lab Control Sample Dup | 82       | 86       | 84       | 83       |  |  |  |  |
| MB 200-209618/1-A   | Method Blank           | 74       | 79       | 80       | 77       |  |  |  |  |

### Surrogate Legend

2MN = 2-methylnaphthalene-d10

FLR = Fluorene-d10 (Surr)

BNAPd12 = Benzo(a)pyrene-d12

FLN = Fluoranthene-d10

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-791254/8

Matrix: Water

Analysis Batch: 791254

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Bromoform                 | <0.45     |              | 1.0  | 0.45 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Carbon tetrachloride      | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Chloroform                | <0.37     |              | 2.0  | 0.37 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Chloromethane             | <0.32     |              | 5.0  | 0.32 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Dichlorobromomethane      | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 10/18/24 13:30 | 1       |
| 1,2-Dichloroethane        | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 10/18/24 13:30 | 1       |
| 1,1-Dichloroethene        | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Ethylbenzene              | <0.18     |              | 0.50 | 0.18 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Methyl bromide            | <0.65     |              | 3.0  | 0.65 | ug/L |   |          | 10/18/24 13:30 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Tetrachloroethene         | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Toluene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 10/18/24 13:30 | 1       |
| 1,1,1-Trichloroethane     | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 10/18/24 13:30 | 1       |
| 1,1,2-Trichloroethane     | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Trichloroethene           | <0.16     |              | 0.50 | 0.16 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Vinyl chloride            | <0.20     |              | 1.0  | 0.20 | ug/L |   |          | 10/18/24 13:30 | 1       |
| Xylenes, Total            | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 10/18/24 13:30 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 83           |              | 70 - 130 |          | 10/18/24 13:30 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 88           |              | 70 - 130 |          | 10/18/24 13:30 | 1       |
| Toluene-d8 (Surr)            | 84           |              | 70 - 130 |          | 10/18/24 13:30 | 1       |

Lab Sample ID: LCS 500-791254/33

Matrix: Water

Analysis Batch: 791254

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        | 59.2       |               | ug/L |   | 118  | 65 - 135    |
| Bromoform                 | 50.0        | 39.4       |               | ug/L |   | 79   | 70 - 130    |
| Carbon tetrachloride      | 50.0        | 54.7       |               | ug/L |   | 109  | 70 - 130    |
| Chloroform                | 50.0        | 54.3       |               | ug/L |   | 109  | 70 - 135    |
| Chloromethane             | 50.0        | 50.8       |               | ug/L |   | 102  | 10 - 205    |
| Dichlorobromomethane      | 50.0        | 53.4       |               | ug/L |   | 107  | 65 - 135    |
| 1,2-Dichloroethane        | 50.0        | 50.6       |               | ug/L |   | 101  | 70 - 130    |
| 1,1-Dichloroethene        | 50.0        | 55.6       |               | ug/L |   | 111  | 50 - 150    |
| Ethylbenzene              | 50.0        | 45.8       |               | ug/L |   | 92   | 60 - 140    |
| Methyl bromide            | 50.0        | 63.5       |               | ug/L |   | 127  | 15 - 185    |
| 1,1,2,2-Tetrachloroethane | 50.0        | 46.9       |               | ug/L |   | 94   | 60 - 140    |
| Tetrachloroethene         | 50.0        | 47.4       |               | ug/L |   | 95   | 70 - 130    |
| Toluene                   | 50.0        | 46.4       |               | ug/L |   | 93   | 70 - 130    |
| 1,1,1-Trichloroethane     | 50.0        | 53.6       |               | ug/L |   | 107  | 70 - 130    |
| 1,1,2-Trichloroethane     | 50.0        | 41.4       |               | ug/L |   | 83   | 70 - 130    |
| Trichloroethene           | 50.0        | 57.6       |               | ug/L |   | 115  | 65 - 135    |
| Vinyl chloride            | 50.0        | 48.6       |               | ug/L |   | 97   | 5 - 195     |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-791254/33

Matrix: Water

Analysis Batch: 791254

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr)  | 82               |                  | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 80               |                  | 70 - 130 |
| Toluene-d8 (Surr)            | 87               |                  | 70 - 130 |

Lab Sample ID: 500-258031-1 MS

Matrix: Water

Analysis Batch: 791254

Client Sample ID: Effluent

Prep Type: Total/NA

| Analyte                   | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|
| Benzene                   | <0.15            |                     | 50.0           | 58.0         |                 | ug/L |   | 116  | 37 - 151       |
| Bromoform                 | <0.45            |                     | 50.0           | 42.2         |                 | ug/L |   | 84   | 45 - 169       |
| Carbon tetrachloride      | <0.38            |                     | 50.0           | 52.3         |                 | ug/L |   | 105  | 70 - 140       |
| Chloroform                | <0.37            |                     | 50.0           | 53.6         |                 | ug/L |   | 107  | 51 - 138       |
| Chloromethane             | <0.32            |                     | 50.0           | 49.8         |                 | ug/L |   | 100  | 10 - 273       |
| Dichlorobromomethane      | <0.37            |                     | 50.0           | 54.8         |                 | ug/L |   | 110  | 35 - 155       |
| 1,2-Dichloroethane        | <0.39            |                     | 50.0           | 53.6         |                 | ug/L |   | 107  | 49 - 155       |
| 1,1-Dichloroethene        | <0.39            |                     | 50.0           | 52.3         |                 | ug/L |   | 105  | 10 - 234       |
| Ethylbenzene              | <0.18            |                     | 50.0           | 44.2         |                 | ug/L |   | 88   | 37 - 162       |
| Methyl bromide            | <0.65            |                     | 50.0           | 54.6         |                 | ug/L |   | 109  | 10 - 242       |
| 1,1,2,2-Tetrachloroethane | <0.40            |                     | 50.0           | 52.3         |                 | ug/L |   | 105  | 46 - 157       |
| Tetrachloroethene         | 1.5              |                     | 50.0           | 45.4         |                 | ug/L |   | 88   | 64 - 148       |
| Toluene                   | <0.15            |                     | 50.0           | 45.4         |                 | ug/L |   | 91   | 47 - 150       |
| 1,1,1-Trichloroethane     | <0.38            |                     | 50.0           | 51.3         |                 | ug/L |   | 103  | 52 - 162       |
| 1,1,2-Trichloroethane     | <0.35            |                     | 50.0           | 44.4         |                 | ug/L |   | 89   | 52 - 150       |
| Trichloroethene           | 0.55             |                     | 50.0           | 55.2         |                 | ug/L |   | 109  | 70 - 157       |
| Vinyl chloride            | <0.20            |                     | 50.0           | 47.1         |                 | ug/L |   | 94   | 10 - 251       |

| Surrogate                    | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|------------------------------|-----------------|-----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 86              |                 | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 83              |                 | 70 - 130 |
| Toluene-d8 (Surr)            | 84              |                 | 70 - 130 |

Lab Sample ID: 500-258031-1 MSD

Matrix: Water

Analysis Batch: 791254

Client Sample ID: Effluent

Prep Type: Total/NA

| Analyte                   | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| Benzene                   | <0.15            |                     | 50.0           | 56.0          |                  | ug/L |   | 112  | 37 - 151       | 4   | 61           |
| Bromoform                 | <0.45            |                     | 50.0           | 40.2          |                  | ug/L |   | 80   | 45 - 169       | 5   | 42           |
| Carbon tetrachloride      | <0.38            |                     | 50.0           | 51.6          |                  | ug/L |   | 103  | 70 - 140       | 1   | 41           |
| Chloroform                | <0.37            |                     | 50.0           | 51.5          |                  | ug/L |   | 103  | 51 - 138       | 4   | 54           |
| Chloromethane             | <0.32            |                     | 50.0           | 49.3          |                  | ug/L |   | 99   | 10 - 273       | 1   | 60           |
| Dichlorobromomethane      | <0.37            |                     | 50.0           | 52.2          |                  | ug/L |   | 104  | 35 - 155       | 5   | 56           |
| 1,2-Dichloroethane        | <0.39            |                     | 50.0           | 51.2          |                  | ug/L |   | 102  | 49 - 155       | 5   | 49           |
| 1,1-Dichloroethene        | <0.39            |                     | 50.0           | 50.9          |                  | ug/L |   | 102  | 10 - 234       | 3   | 32           |
| Ethylbenzene              | <0.18            |                     | 50.0           | 42.8          |                  | ug/L |   | 86   | 37 - 162       | 3   | 63           |
| Methyl bromide            | <0.65            |                     | 50.0           | 59.4          |                  | ug/L |   | 119  | 10 - 242       | 9   | 61           |
| 1,1,2,2-Tetrachloroethane | <0.40            |                     | 50.0           | 49.2          |                  | ug/L |   | 98   | 46 - 157       | 6   | 61           |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-258031-1 MSD

Matrix: Water

Analysis Batch: 791254

Client Sample ID: Effluent

Prep Type: Total/NA

| Analyte               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Tetrachloroethene     | 1.5           |                  | 50.0        | 43.4       |               | ug/L |   | 84   | 64 - 148    | 4   | 39        |
| Toluene               | <0.15         |                  | 50.0        | 44.1       |               | ug/L |   | 88   | 47 - 150    | 3   | 41        |
| 1,1,1-Trichloroethane | <0.38         |                  | 50.0        | 49.6       |               | ug/L |   | 99   | 52 - 162    | 3   | 36        |
| 1,1,2-Trichloroethane | <0.35         |                  | 50.0        | 42.5       |               | ug/L |   | 85   | 52 - 150    | 4   | 45        |
| Trichloroethene       | 0.55          |                  | 50.0        | 53.7       |               | ug/L |   | 106  | 70 - 157    | 3   | 48        |
| Vinyl chloride        | <0.20         |                  | 50.0        | 47.8       |               | ug/L |   | 96   | 10 - 251    | 1   | 66        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 85            |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 82            |               | 70 - 130 |
| Toluene-d8 (Surr)            | 86            |               | 70 - 130 |

Lab Sample ID: MB 500-791470/8

Matrix: Water

Analysis Batch: 791470

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Benzene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Bromoform                 | <0.45     |              | 1.0  | 0.45 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Carbon tetrachloride      | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Chloroform                | <0.37     |              | 2.0  | 0.37 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Chloromethane             | <0.32     |              | 5.0  | 0.32 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Dichlorobromomethane      | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 10/19/24 15:09 | 1       |
| 1,2-Dichloroethane        | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 10/19/24 15:09 | 1       |
| 1,1-Dichloroethene        | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Ethylbenzene              | <0.18     |              | 0.50 | 0.18 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Methyl bromide            | <0.65     |              | 3.0  | 0.65 | ug/L |   |          | 10/19/24 15:09 | 1       |
| 1,1,2,2-Tetrachloroethane | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Tetrachloroethene         | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Toluene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 10/19/24 15:09 | 1       |
| 1,1,1-Trichloroethane     | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 10/19/24 15:09 | 1       |
| 1,1,2-Trichloroethane     | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Trichloroethene           | <0.16     |              | 0.50 | 0.16 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Vinyl chloride            | <0.20     |              | 1.0  | 0.20 | ug/L |   |          | 10/19/24 15:09 | 1       |
| Xylenes, Total            | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 10/19/24 15:09 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr)  | 107          |              | 70 - 130 |          | 10/19/24 15:09 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 111          |              | 70 - 130 |          | 10/19/24 15:09 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 70 - 130 |          | 10/19/24 15:09 | 1       |

Lab Sample ID: LCS 500-791470/4

Matrix: Water

Analysis Batch: 791470

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        | 53.8       |               | ug/L |   | 108  | 65 - 135    |
| Bromoform | 50.0        | 50.0       |               | ug/L |   | 100  | 70 - 130    |

Eurofins Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-791470/4

Matrix: Water

Analysis Batch: 791470

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Carbon tetrachloride      | 50.0        | 64.4       |               | ug/L |   | 129  | 70 - 130    |
| Chloroform                | 50.0        | 53.0       |               | ug/L |   | 106  | 70 - 135    |
| Chloromethane             | 50.0        | 52.1       |               | ug/L |   | 104  | 10 - 205    |
| Dichlorobromomethane      | 50.0        | 52.7       |               | ug/L |   | 105  | 65 - 135    |
| 1,2-Dichloroethane        | 50.0        | 58.7       |               | ug/L |   | 117  | 70 - 130    |
| 1,1-Dichloroethene        | 50.0        | 57.5       |               | ug/L |   | 115  | 50 - 150    |
| Ethylbenzene              | 50.0        | 52.7       |               | ug/L |   | 105  | 60 - 140    |
| Methyl bromide            | 50.0        | 41.9       |               | ug/L |   | 84   | 15 - 185    |
| 1,1,2,2-Tetrachloroethane | 50.0        | 48.0       |               | ug/L |   | 96   | 60 - 140    |
| Tetrachloroethene         | 50.0        | 53.9       |               | ug/L |   | 108  | 70 - 130    |
| Toluene                   | 50.0        | 50.8       |               | ug/L |   | 102  | 70 - 130    |
| 1,1,1-Trichloroethane     | 50.0        | 61.4       |               | ug/L |   | 123  | 70 - 130    |
| 1,1,2-Trichloroethane     | 50.0        | 48.5       |               | ug/L |   | 97   | 70 - 130    |
| Trichloroethene           | 50.0        | 56.0       |               | ug/L |   | 112  | 65 - 135    |
| Vinyl chloride            | 50.0        | 55.2       |               | ug/L |   | 110  | 5 - 195     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr)  | 100           |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 109           |               | 70 - 130 |
| Toluene-d8 (Surr)            | 97            |               | 70 - 130 |

Lab Sample ID: LCSD 500-791470/5

Matrix: Water

Analysis Batch: 791470

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Benzene                   | 50.0        | 53.4        |                | ug/L |   | 107  | 65 - 135    | 1   | 20        |
| Bromoform                 | 50.0        | 52.0        |                | ug/L |   | 104  | 70 - 130    | 4   | 20        |
| Carbon tetrachloride      | 50.0        | 62.6        |                | ug/L |   | 125  | 70 - 130    | 3   | 20        |
| Chloroform                | 50.0        | 53.2        |                | ug/L |   | 106  | 70 - 135    | 0   | 20        |
| Chloromethane             | 50.0        | 54.0        |                | ug/L |   | 108  | 10 - 205    | 4   | 20        |
| Dichlorobromomethane      | 50.0        | 54.1        |                | ug/L |   | 108  | 65 - 135    | 3   | 20        |
| 1,2-Dichloroethane        | 50.0        | 58.2        |                | ug/L |   | 116  | 70 - 130    | 1   | 20        |
| 1,1-Dichloroethene        | 50.0        | 55.2        |                | ug/L |   | 110  | 50 - 150    | 4   | 20        |
| Ethylbenzene              | 50.0        | 52.4        |                | ug/L |   | 105  | 60 - 140    | 1   | 20        |
| Methyl bromide            | 50.0        | 43.6        |                | ug/L |   | 87   | 15 - 185    | 4   | 20        |
| 1,1,2,2-Tetrachloroethane | 50.0        | 50.3        |                | ug/L |   | 101  | 60 - 140    | 5   | 20        |
| Tetrachloroethene         | 50.0        | 55.1        |                | ug/L |   | 110  | 70 - 130    | 2   | 20        |
| Toluene                   | 50.0        | 51.6        |                | ug/L |   | 103  | 70 - 130    | 2   | 20        |
| 1,1,1-Trichloroethane     | 50.0        | 62.5        |                | ug/L |   | 125  | 70 - 130    | 2   | 20        |
| 1,1,2-Trichloroethane     | 50.0        | 50.4        |                | ug/L |   | 101  | 70 - 130    | 4   | 20        |
| Trichloroethene           | 50.0        | 55.0        |                | ug/L |   | 110  | 65 - 135    | 2   | 20        |
| Vinyl chloride            | 50.0        | 56.5        |                | ug/L |   | 113  | 5 - 195     | 2   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr)  | 104            |                | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 108            |                | 70 - 130 |
| Toluene-d8 (Surr)            | 98             |                | 70 - 130 |

Eurofins Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 200-209618/1-A

Matrix: Water

Analysis Batch: 210162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 209618

| Analyte                | MB Result | MB Qualifier | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| Benzo[a]anthracene     | <0.0063   |              | 0.020 | 0.0063 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Benzo[a]pyrene         | <0.0053   |              | 0.020 | 0.0053 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Benzo[b]fluoranthene   | <0.0060   |              | 0.020 | 0.0060 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Benzo[g,h,i]perylene   | <0.0062   |              | 0.020 | 0.0062 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Benzo[k]fluoranthene   | <0.0046   |              | 0.020 | 0.0046 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Chrysene               | <0.0059   |              | 0.020 | 0.0059 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Dibenz(a,h)anthracene  | <0.0068   |              | 0.020 | 0.0068 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Fluoranthene           | <0.0065   |              | 0.020 | 0.0065 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.0061   |              | 0.020 | 0.0061 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Naphthalene            | <0.012    |              | 0.020 | 0.012  | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Phenanthrene           | <0.014    |              | 0.020 | 0.014  | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Pyrene                 | <0.0062   |              | 0.020 | 0.0062 | ug/L |   | 10/14/24 11:00 | 10/25/24 18:29 | 1       |

| Surrogate               | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2-methylnaphthalene-d10 | 74           |              | 46 - 102 | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Fluorene-d10 (Surr)     | 79           |              | 50 - 107 | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Benzo(a)pyrene-d12      | 80           |              | 10 - 150 | 10/14/24 11:00 | 10/25/24 18:29 | 1       |
| Fluoranthene-d10        | 77           |              | 42 - 122 | 10/14/24 11:00 | 10/25/24 18:29 | 1       |

Lab Sample ID: LCS 200-209618/2-A

Matrix: Water

Analysis Batch: 210162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 209618

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|------------------------|-------------|------------|---------------|------|---|------|----------|
| Benzo[a]anthracene     | 0.400       | 0.350      |               | ug/L |   | 88   | 64 - 144 |
| Benzo[a]pyrene         | 0.400       | 0.347      |               | ug/L |   | 87   | 49 - 126 |
| Benzo[b]fluoranthene   | 0.400       | 0.363      |               | ug/L |   | 91   | 55 - 141 |
| Benzo[g,h,i]perylene   | 0.400       | 0.400      |               | ug/L |   | 100  | 38 - 148 |
| Benzo[k]fluoranthene   | 0.400       | 0.321      |               | ug/L |   | 80   | 52 - 122 |
| Chrysene               | 0.400       | 0.324      |               | ug/L |   | 81   | 58 - 134 |
| Dibenz(a,h)anthracene  | 0.400       | 0.410      |               | ug/L |   | 102  | 45 - 145 |
| Fluoranthene           | 0.400       | 0.377      |               | ug/L |   | 94   | 55 - 150 |
| Indeno[1,2,3-cd]pyrene | 0.400       | 0.403      |               | ug/L |   | 101  | 47 - 144 |
| Naphthalene            | 0.400       | 0.357      |               | ug/L |   | 89   | 48 - 110 |
| Phenanthrene           | 0.400       | 0.317      |               | ug/L |   | 79   | 53 - 126 |
| Pyrene                 | 0.400       | 0.302      |               | ug/L |   | 76   | 45 - 132 |

| Surrogate               | LCS %Recovery | LCS Qualifier | Limits   |
|-------------------------|---------------|---------------|----------|
| 2-methylnaphthalene-d10 | 79            |               | 46 - 102 |
| Fluorene-d10 (Surr)     | 80            |               | 50 - 107 |
| Benzo(a)pyrene-d12      | 81            |               | 10 - 150 |
| Fluoranthene-d10        | 80            |               | 42 - 122 |

Eurofins Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 200-209618/3-A

Matrix: Water

Analysis Batch: 210162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 209618

| Analyte                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Benzo[a]anthracene     | 0.400       | 0.377       |                | ug/L |   | 94   | 64 - 144    | 7   | 30        |
| Benzo[a]pyrene         | 0.400       | 0.372       |                | ug/L |   | 93   | 49 - 126    | 7   | 30        |
| Benzo[b]fluoranthene   | 0.400       | 0.392       |                | ug/L |   | 98   | 55 - 141    | 8   | 30        |
| Benzo[g,h,i]perylene   | 0.400       | 0.423       |                | ug/L |   | 106  | 38 - 148    | 5   | 30        |
| Benzo[k]fluoranthene   | 0.400       | 0.348       |                | ug/L |   | 87   | 52 - 122    | 8   | 30        |
| Chrysene               | 0.400       | 0.343       |                | ug/L |   | 86   | 58 - 134    | 6   | 30        |
| Dibenz(a,h)anthracene  | 0.400       | 0.437       |                | ug/L |   | 109  | 45 - 145    | 6   | 30        |
| Fluoranthene           | 0.400       | 0.409       |                | ug/L |   | 102  | 55 - 150    | 8   | 30        |
| Indeno[1,2,3-cd]pyrene | 0.400       | 0.427       |                | ug/L |   | 107  | 47 - 144    | 6   | 30        |
| Naphthalene            | 0.400       | 0.384       |                | ug/L |   | 96   | 48 - 110    | 7   | 30        |
| Phenanthrene           | 0.400       | 0.373       |                | ug/L |   | 93   | 53 - 126    | 16  | 30        |
| Pyrene                 | 0.400       | 0.344       |                | ug/L |   | 86   | 45 - 132    | 13  | 30        |

| Surrogate               | LCSD %Recovery | LCSD Qualifier | Limits   |
|-------------------------|----------------|----------------|----------|
| 2-methylnaphthalene-d10 | 82             |                | 46 - 102 |
| Fluorene-d10 (Surr)     | 86             |                | 50 - 107 |
| Benzo(a)pyrene-d12      | 84             |                | 10 - 150 |
| Fluoranthene-d10        | 83             |                | 42 - 122 |



# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

## Client Sample ID: Effluent

Date Collected: 10/07/24 10:15

Date Received: 10/08/24 09:35

## Lab Sample ID: 500-258031-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Analysis   | 624.1        |     | 1               | 791254       | EA      | EET CHI | 10/18/24 18:14                               |
| Total/NA  | Prep       | 3510C        |     |                 | 209618       | JPB     | EET BUR | 10/14/24 11:00 - 10/14/24 11:30 <sup>1</sup> |
| Total/NA  | Analysis   | 8270E SIM    |     | 1               | 210162       | A1B     | EET BUR | 10/25/24 18:56                               |

## Client Sample ID: Influent

Date Collected: 10/07/24 10:20

Date Received: 10/08/24 09:35

## Lab Sample ID: 500-258031-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Analysis   | 624.1        |     | 1               | 791470       | W1T     | EET CHI | 10/19/24 23:21                               |
| Total/NA  | Analysis   | 624.1        | DL  | 5               | 791254       | EA      | EET CHI | 10/18/24 21:14                               |
| Total/NA  | Prep       | 3510C        |     |                 | 209618       | JPB     | EET BUR | 10/14/24 11:00 - 10/14/24 11:30 <sup>1</sup> |
| Total/NA  | Analysis   | 8270E SIM    |     | 1               | 210162       | A1B     | EET BUR | 10/25/24 19:22                               |

## Client Sample ID: Trip Blank

Date Collected: 10/07/24 00:00

Date Received: 10/08/24 09:35

## Lab Sample ID: 500-258031-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 624.1        |     | 1               | 791254       | EA      | EET CHI | 10/18/24 14:22       |

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184.0000.0000

Job ID: 500-258031-1

Laboratory: Eurofins Chicago

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 999580010             | 08-31-25        |

Laboratory: Eurofins Burlington

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 399140830             | 03-31-25        |

|    |
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| 3  |
| 4  |
| 5  |
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| 7  |
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| 15 |



Ver: 05/06/2024 10/28/2024

TRC ENVIRONMENTAL CORPORATION  
999 FOURIER DRIVE  
SUITE 101  
MADISON, WI 53717  
UNITED STATES US

NET WT: 25.00 LB TYP  
CAD: 0780307/CAFE3808

Part #

TO **SAMPLE RECEIPT**  
**EUROFINS CHICAGO**  
**2417 BOND ST.**



500-258031 Waybi

**UNIVERSITY PARK IL 60484**

(708) 534-5200

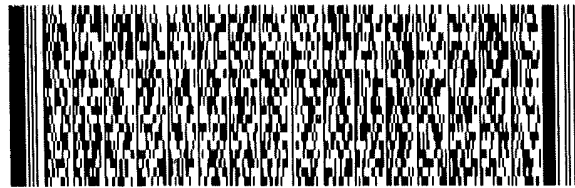
REF:

INVT:

PO:

DEPT:

RMA



**FedEx**  
Express



J241023112201uv

**FedEx**

**TUE - 08 OCT 10:30A**

TRK#

**4145 7025 7790**

0221

**PRIORITY OVERNIGHT**

**XP JOTA**

**60484**

IL-US **ORD**



58C.12/B264/C6C4

[illegible]



ORIGIN ID: JOTA (708) 534-5200  
SHIPPING DEPT  
EUROFINS CHICAGO  
2417 BOND ST

UNIVERSITY PARK, IL 60484  
UNITED STATES US

SHIP DATE: 08OCT24  
ACTWGT: 36.00 LB MAN  
CAD: 0675858/CAFE3854

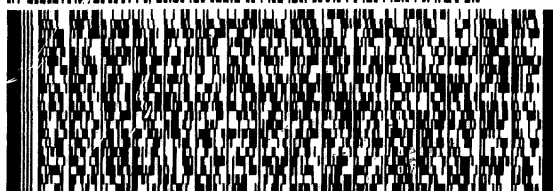
BILL SENDER

Part # 158469-434 MTW EXP 02/25

TO **SAMPLE RECEIPT**  
**EUROFINS - BURLINGTON**  
**530 COMMUNITY DRIVE**  
**SUITE 11**  
**SOUTH BURLINGTON VT 05403**

(802) 880-1880

REF: 258031 SH



**FedEx**  
Express



TRK# 7051 7621 1126  
0201

WED - 09 OCT 10:30A  
PRIORITY OVERNIGHT

**NX BTVA**

05403  
VT-US BTV



## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-258031-1

**Login Number: 258031**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ 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   | 2.3     |
| 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.                  | True   |         |
| 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-258031-1

**Login Number: 258031**

**List Number: 2**

**Creator: Cunningham, Caroline R**

**List Source: Eurofins Burlington**

**List Creation: 10/11/24 10:21 AM**

| Question                                                                                 | Answer | Comment                                  |
|------------------------------------------------------------------------------------------|--------|------------------------------------------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact.                                        | True   | 2546442                                  |
| 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   | 2.2°C                                    |
| 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?                                              | N/A    | Received project as a subcontract.       |
| There are no discrepancies between the containers received and the COC.                  | True   |                                          |
| 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.                                                    | N/A    |                                          |
| 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 $<6\text{mm}$ (1/4"). | True   |                                          |
| Multiphasic samples are not present.                                                     | True   |                                          |
| Samples do not require splitting or compositing.                                         | True   |                                          |
| Residual Chlorine Checked.                                                               | N/A    |                                          |

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 11/21/2024 1:54:27 PM

## JOB DESCRIPTION

MadisonKipp GETS 581184 Phase 2 Task 2

## JOB NUMBER

500-260135-1

# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
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Authorized for release by  
Jodie Bracken, Project Manager I  
[Joann.Bracken@et.eurofinsus.com](mailto:Joann.Bracken@et.eurofinsus.com)  
Designee for  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660



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## Case Narrative

Client: TRC Environmental Corporation  
Project: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

**Job ID: 500-260135-1**

**Eurofins Chicago**

### Job Narrative 500-260135-1

#### Receipt

The samples were received on 11/14/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

#### General Chemistry

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

Eurofins Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

**Client Sample ID: Influent** **Lab Sample ID: 500-260135-1**

No Detections.

**Client Sample ID: Effluent** **Lab Sample ID: 500-260135-2**

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|----------|-----------|
| Total Suspended Solids | 4.4    | J         | 5.0 | 1.9 | mg/L | 1       |   | SM 2540D | Total/NA  |

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

| Method   | Method Description            | Protocol | Laboratory |
|----------|-------------------------------|----------|------------|
| SM 2540D | Solids, Total Suspended (TSS) | SM       | EET CHI    |

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

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

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# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-260135-1  | Influent         | Water  | 11/13/24 13:20 | 11/14/24 10:00 |
| 500-260135-2  | Effluent         | Water  | 11/13/24 13:15 | 11/14/24 10:00 |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

**Client Sample ID: Influent**  
**Date Collected: 11/13/24 13:20**  
**Date Received: 11/14/24 10:00**

**Lab Sample ID: 500-260135-1**  
**Matrix: Water**

|                                   |               |                  |            |            |             |          |                 |                 |                |
|-----------------------------------|---------------|------------------|------------|------------|-------------|----------|-----------------|-----------------|----------------|
| <b>General Chemistry</b>          |               |                  |            |            |             |          |                 |                 |                |
| <b>Analyte</b>                    | <b>Result</b> | <b>Qualifier</b> | <b>LOQ</b> | <b>LOD</b> | <b>Unit</b> | <b>D</b> | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| Total Suspended Solids (SM 2540D) | <1.9          |                  | 5.0        | 1.9        | mg/L        |          |                 | 11/19/24 14:13  | 1              |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

**Client Sample ID: Effluent**  
**Date Collected: 11/13/24 13:15**  
**Date Received: 11/14/24 10:00**

**Lab Sample ID: 500-260135-2**  
**Matrix: Water**

| General Chemistry                 |        |           |     |     |      |   |          |                |         |
|-----------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Analyte                           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
| Total Suspended Solids (SM 2540D) | 4.4    | J         | 5.0 | 1.9 | mg/L |   |          | 11/20/24 14:07 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

### Qualifiers

#### General Chemistry

| Qualifier | Qualifier Description                                                            |
|-----------|----------------------------------------------------------------------------------|
| J         | Reported value was between the limit of detection and the limit of quantitation. |

### 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

## General Chemistry

### Analysis Batch: 796089

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 500-260135-1     | Influent           | Total/NA  | Water  | SM 2540D |            |
| MB 500-796089/1  | Method Blank       | Total/NA  | Water  | SM 2540D |            |
| LCS 500-796089/2 | Lab Control Sample | Total/NA  | Water  | SM 2540D |            |

### Analysis Batch: 796290

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 500-260135-2     | Effluent           | Total/NA  | Water  | SM 2540D |            |
| MB 500-796290/1  | Method Blank       | Total/NA  | Water  | SM 2540D |            |
| LCS 500-796290/2 | Lab Control Sample | Total/NA  | Water  | SM 2540D |            |

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-796089/1  
Matrix: Water  
Analysis Batch: 796089

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

| Analyte                | MB<br>Result | MB<br>Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | <1.9         |                 | 5.0 | 1.9 | mg/L |   |          | 11/19/24 13:45 | 1       |

Lab Sample ID: LCS 500-796089/2  
Matrix: Water  
Analysis Batch: 796089

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

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Total Suspended Solids | 200            | 182.0         |                  | mg/L |   | 91   | 80 - 120       |

Lab Sample ID: MB 500-796290/1  
Matrix: Water  
Analysis Batch: 796290

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

| Analyte                | MB<br>Result | MB<br>Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | <1.9         |                 | 5.0 | 1.9 | mg/L |   |          | 11/20/24 12:56 | 1       |

Lab Sample ID: LCS 500-796290/2  
Matrix: Water  
Analysis Batch: 796290

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

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Total Suspended Solids | 200            | 205.5         |                  | mg/L |   | 103  | 80 - 120       |



# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

## Client Sample ID: Influent

Date Collected: 11/13/24 13:20

Date Received: 11/14/24 10:00

## Lab Sample ID: 500-260135-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Analysis   | SM 2540D     |     | 1               | 796089       | SO      | EET CHI | 11/19/24 14:13 - 11/19/24 14:15 <sup>1</sup> |

## Client Sample ID: Effluent

Date Collected: 11/13/24 13:15

Date Received: 11/14/24 10:00

## Lab Sample ID: 500-260135-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Analysis   | SM 2540D     |     | 1               | 796290       | SO      | EET CHI | 11/20/24 14:07 - 11/20/24 14:10 <sup>1</sup> |

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MadisonKipp GETS 581184 Phase 2 Task 2

Job ID: 500-260135-1

Laboratory: Eurofins Chicago

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 999580010             | 08-31-25        |

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534 5200 Fax 708.534 5211

Report To (optional)  
Contact Andy Stehn  
Company TRC  
Address 999 Fourtee Dr.  
Address Suite 101  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
E Mail astehn@trcwmpa.net

Bill To (optional)  
Contact \_\_\_\_\_  
Company TRC  
Address \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
PO# / Reference# 213313

## Chain of Custody Record

Lab Job # 500260135  
Chain of Custody Number: \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_  
Temperature °C of Cooler: 1.5+1.2

| Client <u>TRC</u>                         |        | Client Project # <u>Soil 04 Phase 2 task 2</u> |                 | Preservative <u>8</u> |                 |          |          |  |  |  |  |  |  |  |  | <b>Preservative Key</b><br>1 HCL, Cool to 4°<br>2 H2SO4, Cool to 4°<br>3 HNO3, Cool to 4°<br>4 NaOH, Cool to 4°<br>5 NaOH/Zn, Cool to 4°<br>6 NaHSO4<br>7 Cool to 4°<br>8 None<br>9 Other |  |          |
|-------------------------------------------|--------|------------------------------------------------|-----------------|-----------------------|-----------------|----------|----------|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|
| Project Name <u>Madison Kipp - GETS</u>   |        |                                                |                 | Parameter             |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
| Project Location/State <u>Madison, WI</u> |        | Lab Project #                                  |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
| Sampler <u>Maddie Holuby</u>              |        | Lab PM <u>Sandie Fredrick</u>                  |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
| Lab ID                                    | MS/MSD | Sample ID                                      | Sampling        |                       | # of Containers | Matrix   | TSS      |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  | Comments |
|                                           |        |                                                | Date            | Time                  |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        | <u>influent</u>                                | <u>11/13/24</u> | <u>1320</u>           | <u>1</u>        | <u>W</u> | <u>X</u> |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        | <u>effluent</u>                                | <u>✓</u>        | <u>1315</u>           | <u>1</u>        | <u>W</u> | <u>X</u> |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |
|                                           |        |                                                |                 |                       |                 |          |          |  |  |  |  |  |  |  |  |                                                                                                                                                                                           |  |          |

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days \_\_\_ 7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other

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 <u>Maddie Holuby</u> | Company <u>TRC</u> | Date <u>11/13/24</u> | Time <u>1545</u> | Received By <u>Dahyann Yarbrough</u> | Company <u>EE TA</u> | Date <u>11/14/24</u> | Time <u>1000</u> |
| Relinquished By                      | Company            | Date                 | Time             | Received By                          | Company              | Date                 | Time             |
| Relinquished By                      | Company            | Date                 | Time             | Received By                          | Company              | Date                 | Time             |

|                |  |
|----------------|--|
| Lab Courier    |  |
| Shipped        |  |
| Hand Delivered |  |

|                                                                                                                                                                                                                          |                 |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| <b>Matrix Key</b><br>WW - Wastewater<br>W - Water<br>S - Soil<br>SL - Sludge<br>MS - Miscellaneous<br>OL - Oil<br>A - Air<br>SE - Sediment<br>SO - Soil<br>L - Leachate<br>WI - Wipe<br>DW - Drinking Water<br>O - Other | Client Comments | Lab Comments |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|

ORIGIN ID:MSNA (SJB) 807-8112  
ANDY STEHN  
TRC ENVIRONMENTAL CORPORATION  
399 FOURIER DR STE 101  
MADISON, WI 53717  
UNITED STATES US

**SANDIE FREDRICK**  
**EUROFINS CHICAGO**  
**2417 BOND ST**

SHIP DATE: 13NOV24  
ACTWGT: 16.05 LB  
CAD: 6570219/ROSA2570  
DIMS: 15x15x10 IN  
BILL THIRD PARTY

UNIVERSITY PARK IL 60484  
(920) 261-1660  
REF: 1401

PO:

**REF:**

DEPT:



J244024091001 UV

TRK# 7799 3849 4874  
0201

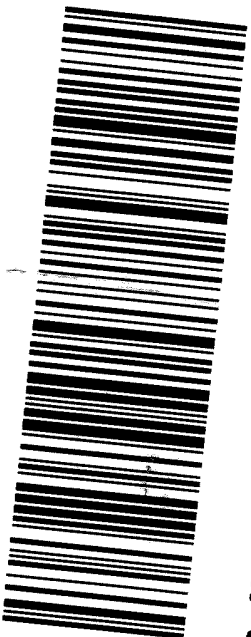
REL#  
3785346

3785346  
THU - 14 NOV 10:30A  
PRIORITY OVERNIGHT

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**AHS**  
**60484**  
**ORD**

IL-US  
ORD



500-260135 Wayb!

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-260135-1

Login Number: 260135

List Source: Eurofins Chicago

List Number: 1

Creator: Yarbrough-Foster, Dahjane

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ 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   | 1.2     |
| 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.                  | True   |         |
| 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 $<6\text{mm}$ (1/4"). | N/A    |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## **Appendix D: Semi-Annual GETS Influent and Effluent Vapor Laboratory Analytical Reports**



12/31/2024

Mr. Andrew Stehn

TRC Corporation (RMT)

999 Fourier Dr

Suite 101

Madison WI 53717

Project Name: MKC GETS

Project #: 581184

Workorder #: 2412574

Dear Mr. Andrew Stehn

The following report includes the data for the above referenced project for sample(s) received on 12/16/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-14A (5&20 ppbv) 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 LLC. 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: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White

Project Manager

**WORK ORDER #: 2412574**

Work Order Summary

|                        |                                                                                             |                  |                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------|
| <b>CLIENT:</b>         | Mr. Andrew Stehn<br>TRC Companies, Inc.<br>999 Fourier Dr<br>Suite 101<br>Madison, WI 53717 | <b>BILL TO:</b>  | Accounts Payable/Windsor<br>TRC Companies, Inc.<br>21 Griffin Rd North<br>Windsor, CT 06095 |
| <b>PHONE:</b>          | 608-826-3665                                                                                | <b>P.O. #</b>    | C581085                                                                                     |
| <b>FAX:</b>            | 608-826-3941                                                                                | <b>PROJECT #</b> | 581184 MKC GETS                                                                             |
| <b>DATE RECEIVED:</b>  | 12/16/2024                                                                                  | <b>CONTACT:</b>  | Jade White                                                                                  |
| <b>DATE COMPLETED:</b> | 12/31/2024                                                                                  |                  |                                                                                             |

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u>              | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-------------|--------------------------|-------------------------------|---------------------------|
| 01A               | EFFLUENT    | Modified TO-14A (5&20 pp | 6.5 "Hg                       | 10.1 psi                  |
| 02A               | INFLUENT    | Modified TO-14A (5&20 pp | 5.5 "Hg                       | 10 psi                    |
| 03A               | Lab Blank   | Modified TO-14A (5&20 pp | NA                            | NA                        |
| 04A               | CCV         | Modified TO-14A (5&20 pp | NA                            | NA                        |
| 05A               | LCS         | Modified TO-14A (5&20 pp | NA                            | NA                        |
| 05AA              | LCSD        | Modified TO-14A (5&20 pp | NA                            | NA                        |

CERTIFIED BY:



Technical Director

DATE: 12/31/24

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2836569, NH NELAP-209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000

**LABORATORY NARRATIVE**  
**Modified TO-14A Soil Gas**  
**TRC Corporation (RMT)**  
**Workorder# 2412574**

Two 1 Liter Summa Canister samples were received on December 16, 2024. The laboratory performed analysis via modified EPA Method TO-14A using GC/MS in the full scan mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications. Please note that TO-14A was validated for specially treated canisters, and the use of Tedlar bags for sample collection is outside the scope of the method.

| <i>Requirement</i>              | <i>TO-14A</i>                             | <i>ATL Modifications</i>                                                                                  |
|---------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Initial Calibration criteria    | RSD</=30%                                 | Follow TO-15 requirements of RSD</=30% with two compounds allowed out to </=40%RSD.                       |
| BFB absolute abundance criteria | Within 10% of that from previous day      | CCV internal standard area counts are compared to ICAL, corrective action when recovery is less than 60%. |
| Blank acceptance criteria       | <0.20 ppbv                                | <Reporting Limit                                                                                          |
| Sample Drying System            | Nafion Dryer                              | Multibed hydrophobic sorbent                                                                              |
| BFB ion abundance criteria      | Ion abundance listed in Table 4 of TO-14A | Follow ion abundance criteria listed in Method TO-15                                                      |

### **Receiving Notes**

There were no receiving discrepancies.

### **Analytical Notes**

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

### **Definition of Data Qualifying Flags**

Eight 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.

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

## Summary of Detected Compounds MODIFIED EPA METHOD TO-14A GC/MS

**Client Sample ID: EFFLUENT**

**Lab ID#: 2412574-01A**

| Compound               | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|------------------------|----------------------|------------------|-----------------------|-------------------|
| Acetone                | 43                   | 58               | 100                   | 140               |
| cis-1,2-Dichloroethene | 11                   | 750              | 43                    | 3000              |
| Trichloroethene        | 11                   | 310              | 58                    | 1700              |
| Tetrachloroethene      | 11                   | 3000             | 73                    | 20000             |

**Client Sample ID: INFLUENT**

**Lab ID#: 2412574-02A**

| Compound               | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|------------------------|----------------------|------------------|-----------------------|-------------------|
| Acetone                | 41                   | 52               | 98                    | 120               |
| cis-1,2-Dichloroethene | 10                   | 320              | 41                    | 1300              |
| Trichloroethene        | 10                   | 220              | 55                    | 1200              |
| Tetrachloroethene      | 10                   | 1500             | 70                    | 10000             |



## Air Toxics

Client Sample ID: EFFLUENT

Lab ID#: 2412574-01A

### MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 14122734 | Date of Collection: | 12/13/24 12:00:00 P |
| Dil. Factor: | 2.15     | Date of Analysis:   | 12/27/24 10:19 PM   |

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                         | 11                   | Not Detected     | 53                    | Not Detected      |
| Freon 114                        | 11                   | Not Detected     | 75                    | Not Detected      |
| Chloromethane                    | 43                   | Not Detected     | 89                    | Not Detected      |
| Vinyl Chloride                   | 11                   | Not Detected     | 27                    | Not Detected      |
| 1,3-Butadiene                    | 11                   | Not Detected     | 24                    | Not Detected      |
| Bromomethane                     | 43                   | Not Detected     | 170                   | Not Detected      |
| Chloroethane                     | 43                   | Not Detected     | 110                   | Not Detected      |
| Freon 11                         | 11                   | Not Detected     | 60                    | Not Detected      |
| Ethanol                          | 54                   | Not Detected     | 100                   | Not Detected      |
| Freon 113                        | 11                   | Not Detected     | 82                    | Not Detected      |
| 1,1-Dichloroethene               | 11                   | Not Detected     | 43                    | Not Detected      |
| Acetone                          | 43                   | 58               | 100                   | 140               |
| 2-Propanol                       | 54                   | Not Detected     | 130                   | Not Detected      |
| Carbon Disulfide                 | 43                   | Not Detected     | 130                   | Not Detected      |
| 3-Chloropropene                  | 43                   | Not Detected     | 130                   | Not Detected      |
| Methylene Chloride               | 43                   | Not Detected     | 150                   | Not Detected      |
| Methyl tert-butyl ether          | 11                   | Not Detected     | 39                    | Not Detected      |
| trans-1,2-Dichloroethene         | 11                   | Not Detected     | 43                    | Not Detected      |
| Hexane                           | 11                   | Not Detected     | 38                    | Not Detected      |
| 1,1-Dichloroethane               | 11                   | Not Detected     | 44                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 43                   | Not Detected     | 130                   | Not Detected      |
| cis-1,2-Dichloroethene           | 11                   | 750              | 43                    | 3000              |
| Tetrahydrofuran                  | 11                   | Not Detected     | 32                    | Not Detected      |
| Chloroform                       | 11                   | Not Detected     | 52                    | Not Detected      |
| 1,1,1-Trichloroethane            | 11                   | Not Detected     | 59                    | Not Detected      |
| Cyclohexane                      | 11                   | Not Detected     | 37                    | Not Detected      |
| Carbon Tetrachloride             | 11                   | Not Detected     | 68                    | Not Detected      |
| 2,2,4-Trimethylpentane           | 11                   | Not Detected     | 50                    | Not Detected      |
| Benzene                          | 11                   | Not Detected     | 34                    | Not Detected      |
| 1,2-Dichloroethane               | 11                   | Not Detected     | 44                    | Not Detected      |
| Heptane                          | 11                   | Not Detected     | 44                    | Not Detected      |
| Trichloroethene                  | 11                   | 310              | 58                    | 1700              |
| 1,2-Dichloropropane              | 11                   | Not Detected     | 50                    | Not Detected      |
| 1,4-Dioxane                      | 43                   | Not Detected     | 150                   | Not Detected      |
| Bromodichloromethane             | 11                   | Not Detected     | 72                    | Not Detected      |
| cis-1,3-Dichloropropene          | 11                   | Not Detected     | 49                    | Not Detected      |
| 4-Methyl-2-pentanone             | 43                   | Not Detected     | 180                   | Not Detected      |
| Toluene                          | 11                   | Not Detected     | 40                    | Not Detected      |
| trans-1,3-Dichloropropene        | 11                   | Not Detected     | 49                    | Not Detected      |
| 1,1,2-Trichloroethane            | 11                   | Not Detected     | 59                    | Not Detected      |
| Tetrachloroethene                | 11                   | 3000             | 73                    | 20000             |
| 2-Hexanone                       | 43                   | Not Detected     | 180                   | Not Detected      |



Client Sample ID: EFFLUENT

Lab ID#: 2412574-01A

MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                                         |
|--------------|----------|-----------------------------------------|
| File Name:   | 14122734 | Date of Collection: 12/13/24 12:00:00 P |
| Dil. Factor: | 2.15     | Date of Analysis: 12/27/24 10:19 PM     |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Dibromochloromethane      | 11                   | Not Detected     | 92                    | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 11                   | Not Detected     | 83                    | Not Detected      |
| Chlorobenzene             | 11                   | Not Detected     | 49                    | Not Detected      |
| Ethyl Benzene             | 11                   | Not Detected     | 47                    | Not Detected      |
| m,p-Xylene                | 11                   | Not Detected     | 47                    | Not Detected      |
| o-Xylene                  | 11                   | Not Detected     | 47                    | Not Detected      |
| Styrene                   | 11                   | Not Detected     | 46                    | Not Detected      |
| Bromoform                 | 11                   | Not Detected     | 110                   | Not Detected      |
| Cumene                    | 11                   | Not Detected     | 53                    | Not Detected      |
| 1,1,2,2-Tetrachloroethane | 11                   | Not Detected     | 74                    | Not Detected      |
| Propylbenzene             | 11                   | Not Detected     | 53                    | Not Detected      |
| 4-Ethyltoluene            | 11                   | Not Detected     | 53                    | Not Detected      |
| 1,3,5-Trimethylbenzene    | 11                   | Not Detected     | 53                    | Not Detected      |
| 1,2,4-Trimethylbenzene    | 11                   | Not Detected     | 53                    | Not Detected      |
| 1,3-Dichlorobenzene       | 11                   | Not Detected     | 65                    | Not Detected      |
| 1,4-Dichlorobenzene       | 11                   | Not Detected     | 65                    | Not Detected      |
| alpha-Chlorotoluene       | 11                   | Not Detected     | 56                    | Not Detected      |
| 1,2-Dichlorobenzene       | 11                   | Not Detected     | 65                    | Not Detected      |
| 1,2,4-Trichlorobenzene    | 43                   | Not Detected     | 320                   | Not Detected      |
| Hexachlorobutadiene       | 43                   | Not Detected     | 460                   | Not Detected      |

Container Type: 1 Liter Summa Canister

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 86        | 70-130           |
| Toluene-d8            | 98        | 70-130           |
| 4-Bromofluorobenzene  | 102       | 70-130           |



## Air Toxics

Client Sample ID: INFLUENT

Lab ID#: 2412574-02A

### MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 14122735 | Date of Collection: | 12/13/24 12:15:00 P |
| Dil. Factor: | 2.06     | Date of Analysis:   | 12/27/24 10:40 PM   |

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                         | 10                   | Not Detected     | 51                    | Not Detected      |
| Freon 114                        | 10                   | Not Detected     | 72                    | Not Detected      |
| Chloromethane                    | 41                   | Not Detected     | 85                    | Not Detected      |
| Vinyl Chloride                   | 10                   | Not Detected     | 26                    | Not Detected      |
| 1,3-Butadiene                    | 10                   | Not Detected     | 23                    | Not Detected      |
| Bromomethane                     | 41                   | Not Detected     | 160                   | Not Detected      |
| Chloroethane                     | 41                   | Not Detected     | 110                   | Not Detected      |
| Freon 11                         | 10                   | Not Detected     | 58                    | Not Detected      |
| Ethanol                          | 52                   | Not Detected     | 97                    | Not Detected      |
| Freon 113                        | 10                   | Not Detected     | 79                    | Not Detected      |
| 1,1-Dichloroethene               | 10                   | Not Detected     | 41                    | Not Detected      |
| Acetone                          | 41                   | 52               | 98                    | 120               |
| 2-Propanol                       | 52                   | Not Detected     | 130                   | Not Detected      |
| Carbon Disulfide                 | 41                   | Not Detected     | 130                   | Not Detected      |
| 3-Chloropropene                  | 41                   | Not Detected     | 130                   | Not Detected      |
| Methylene Chloride               | 41                   | Not Detected     | 140                   | Not Detected      |
| Methyl tert-butyl ether          | 10                   | Not Detected     | 37                    | Not Detected      |
| trans-1,2-Dichloroethene         | 10                   | Not Detected     | 41                    | Not Detected      |
| Hexane                           | 10                   | Not Detected     | 36                    | Not Detected      |
| 1,1-Dichloroethane               | 10                   | Not Detected     | 42                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 41                   | Not Detected     | 120                   | Not Detected      |
| cis-1,2-Dichloroethene           | 10                   | 320              | 41                    | 1300              |
| Tetrahydrofuran                  | 10                   | Not Detected     | 30                    | Not Detected      |
| Chloroform                       | 10                   | Not Detected     | 50                    | Not Detected      |
| 1,1,1-Trichloroethane            | 10                   | Not Detected     | 56                    | Not Detected      |
| Cyclohexane                      | 10                   | Not Detected     | 35                    | Not Detected      |
| Carbon Tetrachloride             | 10                   | Not Detected     | 65                    | Not Detected      |
| 2,2,4-Trimethylpentane           | 10                   | Not Detected     | 48                    | Not Detected      |
| Benzene                          | 10                   | Not Detected     | 33                    | Not Detected      |
| 1,2-Dichloroethane               | 10                   | Not Detected     | 42                    | Not Detected      |
| Heptane                          | 10                   | Not Detected     | 42                    | Not Detected      |
| Trichloroethene                  | 10                   | 220              | 55                    | 1200              |
| 1,2-Dichloropropane              | 10                   | Not Detected     | 48                    | Not Detected      |
| 1,4-Dioxane                      | 41                   | Not Detected     | 150                   | Not Detected      |
| Bromodichloromethane             | 10                   | Not Detected     | 69                    | Not Detected      |
| cis-1,3-Dichloropropene          | 10                   | Not Detected     | 47                    | Not Detected      |
| 4-Methyl-2-pentanone             | 41                   | Not Detected     | 170                   | Not Detected      |
| Toluene                          | 10                   | Not Detected     | 39                    | Not Detected      |
| trans-1,3-Dichloropropene        | 10                   | Not Detected     | 47                    | Not Detected      |
| 1,1,2-Trichloroethane            | 10                   | Not Detected     | 56                    | Not Detected      |
| Tetrachloroethene                | 10                   | 1500             | 70                    | 10000             |
| 2-Hexanone                       | 41                   | Not Detected     | 170                   | Not Detected      |

Client Sample ID: INFLUENT

Lab ID#: 2412574-02A

MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                                         |
|--------------|----------|-----------------------------------------|
| File Name:   | 14122735 | Date of Collection: 12/13/24 12:15:00 P |
| Dil. Factor: | 2.06     | Date of Analysis: 12/27/24 10:40 PM     |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Dibromochloromethane      | 10                   | Not Detected     | 88                    | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 10                   | Not Detected     | 79                    | Not Detected      |
| Chlorobenzene             | 10                   | Not Detected     | 47                    | Not Detected      |
| Ethyl Benzene             | 10                   | Not Detected     | 45                    | Not Detected      |
| m,p-Xylene                | 10                   | Not Detected     | 45                    | Not Detected      |
| o-Xylene                  | 10                   | Not Detected     | 45                    | Not Detected      |
| Styrene                   | 10                   | Not Detected     | 44                    | Not Detected      |
| Bromoform                 | 10                   | Not Detected     | 110                   | Not Detected      |
| Cumene                    | 10                   | Not Detected     | 51                    | Not Detected      |
| 1,1,2,2-Tetrachloroethane | 10                   | Not Detected     | 71                    | Not Detected      |
| Propylbenzene             | 10                   | Not Detected     | 51                    | Not Detected      |
| 4-Ethyltoluene            | 10                   | Not Detected     | 51                    | Not Detected      |
| 1,3,5-Trimethylbenzene    | 10                   | Not Detected     | 51                    | Not Detected      |
| 1,2,4-Trimethylbenzene    | 10                   | Not Detected     | 51                    | Not Detected      |
| 1,3-Dichlorobenzene       | 10                   | Not Detected     | 62                    | Not Detected      |
| 1,4-Dichlorobenzene       | 10                   | Not Detected     | 62                    | Not Detected      |
| alpha-Chlorotoluene       | 10                   | Not Detected     | 53                    | Not Detected      |
| 1,2-Dichlorobenzene       | 10                   | Not Detected     | 62                    | Not Detected      |
| 1,2,4-Trichlorobenzene    | 41                   | Not Detected     | 300                   | Not Detected      |
| Hexachlorobutadiene       | 41                   | Not Detected     | 440                   | Not Detected      |

Container Type: 1 Liter Summa Canister

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 82        | 70-130           |
| Toluene-d8            | 96        | 70-130           |
| 4-Bromofluorobenzene  | 103       | 70-130           |

Client Sample ID: Lab Blank

Lab ID#: 2412574-03A

MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                                     |
|--------------|----------|-------------------------------------|
| File Name:   | 14122706 | Date of Collection: NA              |
| Dil. Factor: | 1.00     | Date of Analysis: 12/27/24 10:31 AM |

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                         | 5.0                  | Not Detected     | 25                    | Not Detected      |
| Freon 114                        | 5.0                  | Not Detected     | 35                    | Not Detected      |
| Chloromethane                    | 20                   | Not Detected     | 41                    | Not Detected      |
| Vinyl Chloride                   | 5.0                  | Not Detected     | 13                    | Not Detected      |
| 1,3-Butadiene                    | 5.0                  | Not Detected     | 11                    | Not Detected      |
| Bromomethane                     | 20                   | Not Detected     | 78                    | Not Detected      |
| Chloroethane                     | 20                   | Not Detected     | 53                    | Not Detected      |
| Freon 11                         | 5.0                  | Not Detected     | 28                    | Not Detected      |
| Ethanol                          | 25                   | Not Detected     | 47                    | Not Detected      |
| Freon 113                        | 5.0                  | Not Detected     | 38                    | Not Detected      |
| 1,1-Dichloroethene               | 5.0                  | Not Detected     | 20                    | Not Detected      |
| Acetone                          | 20                   | Not Detected     | 48                    | Not Detected      |
| 2-Propanol                       | 25                   | Not Detected     | 61                    | Not Detected      |
| Carbon Disulfide                 | 20                   | Not Detected     | 62                    | Not Detected      |
| 3-Chloropropene                  | 20                   | Not Detected     | 63                    | Not Detected      |
| Methylene Chloride               | 20                   | Not Detected     | 69                    | Not Detected      |
| Methyl tert-butyl ether          | 5.0                  | Not Detected     | 18                    | Not Detected      |
| trans-1,2-Dichloroethene         | 5.0                  | Not Detected     | 20                    | Not Detected      |
| Hexane                           | 5.0                  | Not Detected     | 18                    | Not Detected      |
| 1,1-Dichloroethane               | 5.0                  | Not Detected     | 20                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 20                   | Not Detected     | 59                    | Not Detected      |
| cis-1,2-Dichloroethene           | 5.0                  | Not Detected     | 20                    | Not Detected      |
| Tetrahydrofuran                  | 5.0                  | Not Detected     | 15                    | Not Detected      |
| Chloroform                       | 5.0                  | Not Detected     | 24                    | Not Detected      |
| 1,1,1-Trichloroethane            | 5.0                  | Not Detected     | 27                    | Not Detected      |
| Cyclohexane                      | 5.0                  | Not Detected     | 17                    | Not Detected      |
| Carbon Tetrachloride             | 5.0                  | Not Detected     | 31                    | Not Detected      |
| 2,2,4-Trimethylpentane           | 5.0                  | Not Detected     | 23                    | Not Detected      |
| Benzene                          | 5.0                  | Not Detected     | 16                    | Not Detected      |
| 1,2-Dichloroethane               | 5.0                  | Not Detected     | 20                    | Not Detected      |
| Heptane                          | 5.0                  | Not Detected     | 20                    | Not Detected      |
| Trichloroethene                  | 5.0                  | Not Detected     | 27                    | Not Detected      |
| 1,2-Dichloropropane              | 5.0                  | Not Detected     | 23                    | Not Detected      |
| 1,4-Dioxane                      | 20                   | Not Detected     | 72                    | Not Detected      |
| Bromodichloromethane             | 5.0                  | Not Detected     | 34                    | Not Detected      |
| cis-1,3-Dichloropropene          | 5.0                  | Not Detected     | 23                    | Not Detected      |
| 4-Methyl-2-pentanone             | 20                   | Not Detected     | 82                    | Not Detected      |
| Toluene                          | 5.0                  | Not Detected     | 19                    | Not Detected      |
| trans-1,3-Dichloropropene        | 5.0                  | Not Detected     | 23                    | Not Detected      |
| 1,1,2-Trichloroethane            | 5.0                  | Not Detected     | 27                    | Not Detected      |
| Tetrachloroethene                | 5.0                  | Not Detected     | 34                    | Not Detected      |
| 2-Hexanone                       | 20                   | Not Detected     | 82                    | Not Detected      |

Client Sample ID: Lab Blank

Lab ID#: 2412574-03A

## MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                                     |
|--------------|----------|-------------------------------------|
| File Name:   | 14122706 | Date of Collection: NA              |
| Dil. Factor: | 1.00     | Date of Analysis: 12/27/24 10:31 AM |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Dibromochloromethane      | 5.0                  | Not Detected     | 42                    | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 5.0                  | Not Detected     | 38                    | Not Detected      |
| Chlorobenzene             | 5.0                  | Not Detected     | 23                    | Not Detected      |
| Ethyl Benzene             | 5.0                  | Not Detected     | 22                    | Not Detected      |
| m,p-Xylene                | 5.0                  | Not Detected     | 22                    | Not Detected      |
| o-Xylene                  | 5.0                  | Not Detected     | 22                    | Not Detected      |
| Styrene                   | 5.0                  | Not Detected     | 21                    | Not Detected      |
| Bromoform                 | 5.0                  | Not Detected     | 52                    | Not Detected      |
| Cumene                    | 5.0                  | Not Detected     | 24                    | Not Detected      |
| 1,1,2,2-Tetrachloroethane | 5.0                  | Not Detected     | 34                    | Not Detected      |
| Propylbenzene             | 5.0                  | Not Detected     | 24                    | Not Detected      |
| 4-Ethyltoluene            | 5.0                  | Not Detected     | 24                    | Not Detected      |
| 1,3,5-Trimethylbenzene    | 5.0                  | Not Detected     | 24                    | Not Detected      |
| 1,2,4-Trimethylbenzene    | 5.0                  | Not Detected     | 24                    | Not Detected      |
| 1,3-Dichlorobenzene       | 5.0                  | Not Detected     | 30                    | Not Detected      |
| 1,4-Dichlorobenzene       | 5.0                  | Not Detected     | 30                    | Not Detected      |
| alpha-Chlorotoluene       | 5.0                  | Not Detected     | 26                    | Not Detected      |
| 1,2-Dichlorobenzene       | 5.0                  | Not Detected     | 30                    | Not Detected      |
| 1,2,4-Trichlorobenzene    | 20                   | Not Detected     | 150                   | Not Detected      |
| Hexachlorobutadiene       | 20                   | Not Detected     | 210                   | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 84        | 70-130           |
| Toluene-d8            | 97        | 70-130           |
| 4-Bromofluorobenzene  | 101       | 70-130           |

Client Sample ID: CCV

Lab ID#: 2412574-04A

**MODIFIED EPA METHOD TO-14A GC/MS**

|                     |                 |                                            |
|---------------------|-----------------|--------------------------------------------|
| <b>File Name:</b>   | <b>14122703</b> | <b>Date of Collection: NA</b>              |
| <b>Dil. Factor:</b> | <b>1.00</b>     | <b>Date of Analysis: 12/27/24 09:21 AM</b> |

| Compound                         | %Recovery |
|----------------------------------|-----------|
| Freon 12                         | 82        |
| Freon 114                        | 95        |
| Chloromethane                    | 123       |
| Vinyl Chloride                   | 97        |
| 1,3-Butadiene                    | 109       |
| Bromomethane                     | 94        |
| Chloroethane                     | 97        |
| Freon 11                         | 86        |
| Ethanol                          | 109       |
| Freon 113                        | 101       |
| 1,1-Dichloroethene               | 99        |
| Acetone                          | 118       |
| 2-Propanol                       | 92        |
| Carbon Disulfide                 | 91        |
| 3-Chloropropene                  | 84        |
| Methylene Chloride               | 112       |
| Methyl tert-butyl ether          | 85        |
| trans-1,2-Dichloroethene         | 88        |
| Hexane                           | 106       |
| 1,1-Dichloroethane               | 99        |
| 2-Butanone (Methyl Ethyl Ketone) | 86        |
| cis-1,2-Dichloroethene           | 89        |
| Tetrahydrofuran                  | 104       |
| Chloroform                       | 88        |
| 1,1,1-Trichloroethane            | 76        |
| Cyclohexane                      | 89        |
| Carbon Tetrachloride             | 85        |
| 2,2,4-Trimethylpentane           | 109       |
| Benzene                          | 94        |
| 1,2-Dichloroethane               | 89        |
| Heptane                          | 86        |
| Trichloroethene                  | 93        |
| 1,2-Dichloropropane              | 100       |
| 1,4-Dioxane                      | 95        |
| Bromodichloromethane             | 83        |
| cis-1,3-Dichloropropene          | 82        |
| 4-Methyl-2-pentanone             | 81        |
| Toluene                          | 93        |
| trans-1,3-Dichloropropene        | 80        |
| 1,1,2-Trichloroethane            | 90        |
| Tetrachloroethene                | 103       |
| 2-Hexanone                       | 106       |



Client Sample ID: CCV

Lab ID#: 2412574-04A

**MODIFIED EPA METHOD TO-14A GC/MS**

|              |          |                                     |
|--------------|----------|-------------------------------------|
| File Name:   | 14122703 | Date of Collection: NA              |
| Dil. Factor: | 1.00     | Date of Analysis: 12/27/24 09:21 AM |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Dibromochloromethane      | 95        |
| 1,2-Dibromoethane (EDB)   | 90        |
| Chlorobenzene             | 102       |
| Ethyl Benzene             | 95        |
| m,p-Xylene                | 94        |
| o-Xylene                  | 95        |
| Styrene                   | 96        |
| Bromoform                 | 97        |
| Cumene                    | 94        |
| 1,1,2,2-Tetrachloroethane | 92        |
| Propylbenzene             | 97        |
| 4-Ethyltoluene            | 97        |
| 1,3,5-Trimethylbenzene    | 94        |
| 1,2,4-Trimethylbenzene    | 95        |
| 1,3-Dichlorobenzene       | 105       |
| 1,4-Dichlorobenzene       | 103       |
| alpha-Chlorotoluene       | 80        |
| 1,2-Dichlorobenzene       | 102       |
| 1,2,4-Trichlorobenzene    | 94        |
| Hexachlorobutadiene       | 90        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 84        | 70-130        |
| Toluene-d8            | 96        | 70-130        |
| 4-Bromofluorobenzene  | 107       | 70-130        |

Client Sample ID: LCS

Lab ID#: 2412574-05A

## MODIFIED EPA METHOD TO-14A GC/MS

File Name: 14122704  
Dil. Factor: 1.00

Date of Collection: NA  
Date of Analysis: 12/27/24 09:44 AM

| Compound                         | %Recovery | Method Limits |
|----------------------------------|-----------|---------------|
| Freon 12                         | 80        | 70-130        |
| Freon 114                        | 94        | 70-130        |
| Chloromethane                    | 119       | 70-130        |
| Vinyl Chloride                   | 98        | 70-130        |
| 1,3-Butadiene                    | 110       | 70-130        |
| Bromomethane                     | 96        | 70-130        |
| Chloroethane                     | 99        | 70-130        |
| Freon 11                         | 85        | 70-130        |
| Ethanol                          | 111       | 70-130        |
| Freon 113                        | 99        | 70-130        |
| 1,1-Dichloroethene               | 93        | 70-130        |
| Acetone                          | 109       | 70-130        |
| 2-Propanol                       | 114       | 70-130        |
| Carbon Disulfide                 | 87        | 70-130        |
| 3-Chloropropene                  | 85        | 70-130        |
| Methylene Chloride               | 107       | 70-130        |
| Methyl tert-butyl ether          | 83        | 70-130        |
| trans-1,2-Dichloroethene         | 89        | 70-130        |
| Hexane                           | 102       | 70-130        |
| 1,1-Dichloroethane               | 97        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 94        | 70-130        |
| cis-1,2-Dichloroethene           | 90        | 70-130        |
| Tetrahydrofuran                  | 102       | 70-130        |
| Chloroform                       | 85        | 70-130        |
| 1,1,1-Trichloroethane            | 79        | 70-130        |
| Cyclohexane                      | 88        | 70-130        |
| Carbon Tetrachloride             | 84        | 70-130        |
| 2,2,4-Trimethylpentane           | 107       | 70-130        |
| Benzene                          | 95        | 70-130        |
| 1,2-Dichloroethane               | 89        | 70-130        |
| Heptane                          | 86        | 70-130        |
| Trichloroethene                  | 95        | 70-130        |
| 1,2-Dichloropropane              | 101       | 70-130        |
| 1,4-Dioxane                      | 108       | 70-130        |
| Bromodichloromethane             | 81        | 70-130        |
| cis-1,3-Dichloropropene          | 84        | 70-130        |
| 4-Methyl-2-pentanone             | 87        | 70-130        |
| Toluene                          | 93        | 70-130        |
| trans-1,3-Dichloropropene        | 82        | 70-130        |
| 1,1,2-Trichloroethane            | 92        | 70-130        |
| Tetrachloroethene                | 105       | 70-130        |
| 2-Hexanone                       | 132 Q     | 70-130        |

Client Sample ID: LCS

Lab ID#: 2412574-05A

MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                                     |
|--------------|----------|-------------------------------------|
| File Name:   | 14122704 | Date of Collection: NA              |
| Dil. Factor: | 1.00     | Date of Analysis: 12/27/24 09:44 AM |

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Dibromochloromethane      | 94        | 70-130        |
| 1,2-Dibromoethane (EDB)   | 91        | 70-130        |
| Chlorobenzene             | 102       | 70-130        |
| Ethyl Benzene             | 97        | 70-130        |
| m,p-Xylene                | 95        | 70-130        |
| o-Xylene                  | 95        | 70-130        |
| Styrene                   | 99        | 70-130        |
| Bromoform                 | 98        | 70-130        |
| Cumene                    | 94        | 70-130        |
| 1,1,2,2-Tetrachloroethane | 95        | 70-130        |
| Propylbenzene             | 96        | 70-130        |
| 4-Ethyltoluene            | 95        | 70-130        |
| 1,3,5-Trimethylbenzene    | 95        | 70-130        |
| 1,2,4-Trimethylbenzene    | 97        | 70-130        |
| 1,3-Dichlorobenzene       | 105       | 70-130        |
| 1,4-Dichlorobenzene       | 105       | 70-130        |
| alpha-Chlorotoluene       | 78        | 70-130        |
| 1,2-Dichlorobenzene       | 105       | 70-130        |
| 1,2,4-Trichlorobenzene    | 106       | 70-130        |
| Hexachlorobutadiene       | 100       | 70-130        |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 84        | 70-130        |
| Toluene-d8            | 96        | 70-130        |
| 4-Bromofluorobenzene  | 107       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2412574-05AA

## MODIFIED EPA METHOD TO-14A GC/MS

File Name: 14122705  
Dil. Factor: 1.00

Date of Collection: NA  
Date of Analysis: 12/27/24 10:07 AM

| Compound                         | %Recovery | Method Limits |
|----------------------------------|-----------|---------------|
| Freon 12                         | 83        | 70-130        |
| Freon 114                        | 95        | 70-130        |
| Chloromethane                    | 121       | 70-130        |
| Vinyl Chloride                   | 98        | 70-130        |
| 1,3-Butadiene                    | 107       | 70-130        |
| Bromomethane                     | 96        | 70-130        |
| Chloroethane                     | 104       | 70-130        |
| Freon 11                         | 87        | 70-130        |
| Ethanol                          | 119       | 70-130        |
| Freon 113                        | 98        | 70-130        |
| 1,1-Dichloroethene               | 92        | 70-130        |
| Acetone                          | 119       | 70-130        |
| 2-Propanol                       | 113       | 70-130        |
| Carbon Disulfide                 | 89        | 70-130        |
| 3-Chloropropene                  | 86        | 70-130        |
| Methylene Chloride               | 109       | 70-130        |
| Methyl tert-butyl ether          | 83        | 70-130        |
| trans-1,2-Dichloroethene         | 87        | 70-130        |
| Hexane                           | 106       | 70-130        |
| 1,1-Dichloroethane               | 98        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 94        | 70-130        |
| cis-1,2-Dichloroethene           | 87        | 70-130        |
| Tetrahydrofuran                  | 105       | 70-130        |
| Chloroform                       | 84        | 70-130        |
| 1,1,1-Trichloroethane            | 79        | 70-130        |
| Cyclohexane                      | 90        | 70-130        |
| Carbon Tetrachloride             | 84        | 70-130        |
| 2,2,4-Trimethylpentane           | 108       | 70-130        |
| Benzene                          | 94        | 70-130        |
| 1,2-Dichloroethane               | 90        | 70-130        |
| Heptane                          | 83        | 70-130        |
| Trichloroethene                  | 91        | 70-130        |
| 1,2-Dichloropropane              | 101       | 70-130        |
| 1,4-Dioxane                      | 110       | 70-130        |
| Bromodichloromethane             | 82        | 70-130        |
| cis-1,3-Dichloropropene          | 84        | 70-130        |
| 4-Methyl-2-pentanone             | 89        | 70-130        |
| Toluene                          | 92        | 70-130        |
| trans-1,3-Dichloropropene        | 80        | 70-130        |
| 1,1,2-Trichloroethane            | 90        | 70-130        |
| Tetrachloroethene                | 103       | 70-130        |
| 2-Hexanone                       | 129       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 2412574-05AA

## MODIFIED EPA METHOD TO-14A GC/MS

|              |          |                                     |
|--------------|----------|-------------------------------------|
| File Name:   | 14122705 | Date of Collection: NA              |
| Dil. Factor: | 1.00     | Date of Analysis: 12/27/24 10:07 AM |

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Dibromochloromethane      | 92        | 70-130        |
| 1,2-Dibromoethane (EDB)   | 90        | 70-130        |
| Chlorobenzene             | 99        | 70-130        |
| Ethyl Benzene             | 97        | 70-130        |
| m,p-Xylene                | 94        | 70-130        |
| o-Xylene                  | 95        | 70-130        |
| Styrene                   | 98        | 70-130        |
| Bromoform                 | 98        | 70-130        |
| Cumene                    | 93        | 70-130        |
| 1,1,2,2-Tetrachloroethane | 93        | 70-130        |
| Propylbenzene             | 93        | 70-130        |
| 4-Ethyltoluene            | 96        | 70-130        |
| 1,3,5-Trimethylbenzene    | 93        | 70-130        |
| 1,2,4-Trimethylbenzene    | 95        | 70-130        |
| 1,3-Dichlorobenzene       | 105       | 70-130        |
| 1,4-Dichlorobenzene       | 102       | 70-130        |
| alpha-Chlorotoluene       | 78        | 70-130        |
| 1,2-Dichlorobenzene       | 104       | 70-130        |
| 1,2,4-Trichlorobenzene    | 109       | 70-130        |
| Hexachlorobutadiene       | 101       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 84        | 70-130        |
| Toluene-d8            | 96        | 70-130        |
| 4-Bromofluorobenzene  | 106       | 70-130        |

## Method : Modified TO-14A (5&amp;20 ppbv)

| CAS Number | Compound                         | Rpt. Limit (ppbv) |
|------------|----------------------------------|-------------------|
| 75-71-8    | Freon 12                         | 5.0               |
| 76-14-2    | Freon 114                        | 5.0               |
| 74-87-3    | Chloromethane                    | 20                |
| 75-01-4    | Vinyl Chloride                   | 5.0               |
| 106-99-0   | 1,3-Butadiene                    | 5.0               |
| 74-83-9    | Bromomethane                     | 20                |
| 75-00-3    | Chloroethane                     | 20                |
| 75-69-4    | Freon 11                         | 5.0               |
| 64-17-5    | Ethanol                          | 25                |
| 76-13-1    | Freon 113                        | 5.0               |
| 75-35-4    | 1,1-Dichloroethene               | 5.0               |
| 67-64-1    | Acetone                          | 20                |
| 67-63-0    | 2-Propanol                       | 25                |
| 75-15-0    | Carbon Disulfide                 | 20                |
| 107-05-1   | 3-Chloropropene                  | 20                |
| 75-09-2    | Methylene Chloride               | 20                |
| 1634-04-4  | Methyl tert-butyl ether          | 5.0               |
| 156-60-5   | trans-1,2-Dichloroethene         | 5.0               |
| 110-54-3   | Hexane                           | 5.0               |
| 75-34-3    | 1,1-Dichloroethane               | 5.0               |
| 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 20                |
| 156-59-2   | cis-1,2-Dichloroethene           | 5.0               |
| 109-99-9   | Tetrahydrofuran                  | 5.0               |
| 67-66-3    | Chloroform                       | 5.0               |
| 71-55-6    | 1,1,1-Trichloroethane            | 5.0               |
| 110-82-7   | Cyclohexane                      | 5.0               |
| 56-23-5    | Carbon Tetrachloride             | 5.0               |
| 540-84-1   | 2,2,4-Trimethylpentane           | 5.0               |
| 71-43-2    | Benzene                          | 5.0               |
| 107-06-2   | 1,2-Dichloroethane               | 5.0               |
| 142-82-5   | Heptane                          | 5.0               |
| 79-01-6    | Trichloroethene                  | 5.0               |
| 78-87-5    | 1,2-Dichloropropane              | 5.0               |
| 123-91-1   | 1,4-Dioxane                      | 20                |
| 75-27-4    | Bromodichloromethane             | 5.0               |
| 10061-01-5 | cis-1,3-Dichloropropene          | 5.0               |
| 108-10-1   | 4-Methyl-2-pentanone             | 20                |
| 108-88-3   | Toluene                          | 5.0               |
| 10061-02-6 | trans-1,3-Dichloropropene        | 5.0               |
| 79-00-5    | 1,1,2-Trichloroethane            | 5.0               |
| 127-18-4   | Tetrachloroethene                | 5.0               |
| 591-78-6   | 2-Hexanone                       | 20                |
| 124-48-1   | Dibromochloromethane             | 5.0               |
| 106-93-4   | 1,2-Dibromoethane (EDB)          | 5.0               |



**Method : Modified TO-14A (5&20 ppbv)**

| CAS Number | Compound                  | Rpt. Limit (ppbv) |
|------------|---------------------------|-------------------|
| 108-90-7   | Chlorobenzene             | 5.0               |
| 100-41-4   | Ethyl Benzene             | 5.0               |
| 108-38-3   | m,p-Xylene                | 5.0               |
| 95-47-6    | o-Xylene                  | 5.0               |
| 100-42-5   | Styrene                   | 5.0               |
| 75-25-2    | Bromoform                 | 5.0               |
| 98-82-8    | Cumene                    | 5.0               |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | 5.0               |
| 103-65-1   | Propylbenzene             | 5.0               |
| 622-96-8   | 4-Ethyltoluene            | 5.0               |
| 108-67-8   | 1,3,5-Trimethylbenzene    | 5.0               |
| 95-63-6    | 1,2,4-Trimethylbenzene    | 5.0               |
| 541-73-1   | 1,3-Dichlorobenzene       | 5.0               |
| 106-46-7   | 1,4-Dichlorobenzene       | 5.0               |
| 100-44-7   | alpha-Chlorotoluene       | 5.0               |
| 95-50-1    | 1,2-Dichlorobenzene       | 5.0               |
| 120-82-1   | 1,2,4-Trichlorobenzene    | 20                |
| 87-68-3    | Hexachlorobutadiene       | 20                |

|            | Surrogate             | Method Limits |
|------------|-----------------------|---------------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |
| 2037-26-5  | Toluene-d8            | 70-130        |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |

## **Appendix E: April and October 2024 Groundwater Monitoring Laboratory Analytical Reports and Historical Groundwater Analytical Summary Table**

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

[illegible]

Notes on Page 68.

Appendix E: Historical 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-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----|------------|------------|------------|------------|------------|------------|------------|------------|
| 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 |    | 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 | 03/30/2011 | 04/11/2012 | 01/14/2013 | 04/20/2013 | 07/18/2013 | 10/10/2013 | 04/17/2014 | 10/16/2014 |    | 04/08/2010 | 10/01/2010 | 03/30/2011 | 04/11/2012 | 01/15/2013 | 04/20/2013 | 07/18/2013 | 10/10/2013 |
| 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 | < 8        | < 0.25     | < 4        | < 0.31     | < 0.5      | < 0.5      | < 0.25     | < 0.25     |
| 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 | < 16       | < 0.5      | < 8        | < 0.26     | < 0.4      | < 0.4      | < 0.2      | < 0.20     |
| 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 | < 8        | < 0.25     | < 4        | < 0.3      | < 0.56     | < 0.56     | < 0.28     | < 0.28     |
| 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 | < 16       | < 0.5      | < 8        | < 0.29     | < 0.62     | < 0.62     | < 0.31     | < 0.31     |
| 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 | < 6.4      | < 0.2      | < 3.2      | < 0.22     | < 0.28     | < 0.28     | < 0.14     | < 0.14     |
| 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 | < 6.4      | < 0.2      | < 3.2      | < 0.45     | < 0.72     | < 0.72     | < 0.36     | < 0.36     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.2      | < 0.2      | < 0.21     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | NA | < 6.4      | < 0.2      | < 3.2      | < 0.21     | < 0.54     | < 0.54     | < 0.27     | < 0.27     |
| 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 | < 16       | < 0.5      | < 8        | < 0.28     | < 0.56     | < 0.56     | < 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     | NA | < 16       | < 0.5      | < 8        | < 0.36     | < 0.4      | < 0.4      | < 0.2      | < 0.20     |
| 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 | < 8        | < 0.25     | < 4        | < 0.36     | < 0.48     | < 0.48     | < 0.24     | < 0.24     |
| 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 | < 8        | < 0.25     | < 4        | < 0.22     | < 0.62     | < 0.62     | < 0.31     | < 0.31     |
| 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 | < 6.4      | < 0.2      | < 3.2      | < 0.23     | < 0.36     | < 0.36     | < 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         |
| 2-Hexanone                 | NE           | NE          | 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         |
| Acetone                    | 1800         | 9000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Benzene                    | 0.5          | 5           | < 0.2      | < 0.2      | < 0.12     | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | NA | < 6.4      | < 0.2      | < 3.2      | < 0.12     | < 0.15     | < 0.15     | < 0.074    | < 0.074    |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.2      | < 0.2      | < 0.23     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | NA | < 6.4      | < 0.2      | < 3.2      | < 0.23     | < 0.34     | < 0.34     | < 0.17     | < 0.17     |
| Bromoform                  | 0.44         | 4.4         | < 0.2      | < 0.2      | < 0.45     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | NA | < 6.4      | < 0.2      | < 3.2      | < 0.45     | < 0.56     | < 0.56     | < 0.28     | < 0.28     |
| Bromomethane               | 1            | 10          | < 0.5      | < 0.5      | < 0.49     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | NA | < 16       | < 0.5      | < 8        | < 0.49     | < 0.62     | < 0.62     | < 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         |
| Carbon tetrachloride       | 0.5          | 5           | < 0.8      | < 0.8      | < 0.28     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | NA | < 26       | < 0.8      | < 13       | < 0.28     | < 0.52     | < 0.52     | < 0.26     | < 0.26     |
| Chloroethane               | 80           | 400         | < 1        | < 1        | < 0.33     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | NA | < 32       | < 1        | < 16       | < 0.33     | < 0.68     | < 0.68     | < 0.34     | < 0.34     |
| Chloroform                 | 0.6          | 6           | < 0.2      | < 0.2      | < 0.25     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     | NA | < 6.4      | < 0.2      | < 3.2      | < 0.25     | < 0.4      | < 0.4      | < 0.2      | < 0.20     |
| Chloromethane              | 3            | 30          | < 0.3      | < 0.3      | < 0.24     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | NA | < 9.6      | < 0.3      | < 4.8      | < 0.24     | < 0.36     | < 0.36     | < 0.18     | < 0.18     |
| 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 | < 16       | 0.67       | < 8        | < 0.22     | < 0.24     | < 0.24     | < 0.12     | < 0.12     |
| Di-isopropyl ether         | NE           | NE          | < 0.5      | < 0.5      | < 0.27     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | NA | < 16       | < 0.5      | < 8        | < 0.27     | < 0.3      | < 0.3      | < 0.15     | < 0.15     |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.5      | < 0.5      | < 0.26     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     | NA | < 16       | < 0.5      | < 8        | < 0.26     | < 0.4      | < 0.4      | < 0.2      | < 0.20     |
| Ethylbenzene               | 140          | 700         | < 0.5      | < 0.5      | < 0.14     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | NA | < 16       | < 0.5      | < 8        | < 0.14     | < 0.26     | < 0.26     | < 0.13     | < 0.13     |
| Isopropylbenzene           | NE           | NE          | < 0.2      | < 0.2      | < 0.21     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | NA | < 6.4      | < 0.2      | < 3.2      | < 0.21     | < 0.28     | < 0.28     | < 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         |
| 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 | < 16       | < 0.5      | < 8        | < 0.28     | < 0.48     | < 0.48     | < 0.24     | < 0.24     |
| Methylene chloride         | 0.5          | 5           | < 1        | < 1        | 8.6        | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | NA | < 32       | < 1        | < 16       | 8.1        | < 1.4      | < 1.4      | < 0.68     | < 0.68     |
| Naphthalene                | 10           | 100         | < 0.25     | < 0.25     | < 0.24     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | NA | < 8        | < 0.25     | < 4        | < 0.24     | < 0.32     | < 0.32     | < 0.16     | < 0.16     |
| n-Butylbenzene             | NE           | NE          | < 0.2      | < 0.2      | < 0.21     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | NA | < 6.4      | < 0.2      | < 3.2      | < 0.21     | < 0.26     | < 0.26     | < 0.13     | < 0.13     |
| n-Hexane                   | 120          | 600         | NA         |            |            |            |            |            |            |            |            |    |            |            |            |            |            |            |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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 <sup>1</sup> | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D      | MW-2D <sup>3</sup> |            |            |        |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|----------------|------------|------------|------------|------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|------------|------------|--------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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                |              |             | 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 | 10/20/2020 | 04/15/2021 | 10/15/2021 | 04/28/2022 | 10/24/2022 | 4/13/2023  | 10/16/2023 | 04/24/2024         | 10/25/2024 | 10/25/2024 |        |
| VOCs                       |              |             |            |            |            |            |            |            |            |                |            |            |            |            |                    |            |            |            |            |            |            |            |            |            |                    |            |            |        |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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     | < 0.27     | < 0.36     | < 0.36     | < 0.36     | NA         | < 0.46     | < 0.46     | < 0.46             | < 0.16     | < 0.16     |        |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.40     | < 0.20     | < 0.38     | < 0.50     | < 1.0      | < 0.10     | < 0.10     | < 0.10         | < 0.10     | < 0.10     | < 0.1      | < 0.10     | < 0.10             | < 0.24     | < 0.24     | < 0.24     | < 0.30     | < 0.30     | < 0.30     | < 0.30     | < 0.38     | < 0.38     | < 0.38             | < 0.39     | < 0.39     |        |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.56     | < 0.28     | < 0.35     | < 0.50     | < 1.0      | < 0.10     | < 0.10     | < 0.10         | < 0.10     | < 0.10     | < 0.1      | < 0.10     | < 0.10             | < 0.55     | < 0.55     | < 0.55     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.35     | < 0.35     | < 0.35             | < 0.27     | < 0.27     |        |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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     | < 0.24     | < 0.58     | < 0.58     | < 0.58     | < 0.58     | < 0.39     | < 0.39     | < 0.39             | < 0.23     | < 0.23     |        |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.28     | < 0.14     | < 0.36     | < 0.30     | < 0.60     | < 0.060    | < 0.060    | < 0.060        | < 0.060    | < 0.060    | < 0.06     | < 0.060    | < 0.060            | < 0.84     | < 0.84     | < 0.84     | < 0.45     | < 0.45     | < 0.45     | NA         | < 0.36     | < 0.36     | < 0.36             | < 0.15     | < 0.15     |        |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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     | < 0.83     | < 0.31     | < 0.31     | < 0.31     | NA         | < 0.39     | < 0.39     | < 0.39             | < 0.18     | < 0.18     |        |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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     | < 0.71     | < 0.33     | < 0.33     | < 0.33     | NA         | < 0.33     | < 0.33     | < 0.33             | < 0.14     | < 0.14     |        |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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     | < 0.28     | < 0.29     | < 0.29     | < 0.29     | < 0.29     | < 0.39     | < 0.39     | < 0.39             | < 0.28     | < 0.28     |        |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.40     | < 0.20     | < 0.43     | < 0.50     | < 1.0      | < 0.10     | < 0.10     | < 0.10         | < 0.10     | < 0.10     | < 0.1      | < 0.10     | < 0.10             | < 0.28     | < 0.28     | < 0.28     | < 0.45     | < 0.45     | < 0.45     | NA         | < 0.43     | < 0.43     | < 0.43             | < 0.24     | < 0.24     |        |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.48     | < 0.24     | < 0.46     | < 0.23     | < 0.45     | < 0.045    | < 0.045    | < 0.045        | < 0.045    | < 0.045    | < 0.045    | 0.050 J    | < 0.045            | < 0.63     | < 0.63     | < 2.2      | < 1.0      | < 1.0      | < 1.0      | NA         | < 0.46 UJ  | < 0.46     | < 0.46             | < 1.2      | < 1.2      |        |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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     | < 0.95     | < 0.95     | < 0.95     | < 0.95     | NA         | < 0.34 UJ  | < 0.34     | < 0.34             | < 0.58     | < 0.58     |        |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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     | < 0.87     | < 0.36     | < 0.36     | < 0.36     | NA         | < 0.25     | < 0.25     | < 0.25             | < 0.12     | < 0.12     |        |
| 2-Butanone                 | 800          | 4000        | NA         | NA         | NA         | < 15       | < 30       | < 3.0      | < 3.0      | < 3.0          | < 3.0      | < 3        | < 3.0      | < 3.0      | < 3.0              | < 2.9      | < 2.9      | < 2.9      | < 6.5      | < 6.5      | < 6.5      | < 6.5      | < 2.1      | < 2.1      | < 2.1              | < 4.6      | < 4.6      |        |
| 2-Hexanone                 | NE           | NE          | 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      | < 5.2      | < 6.3      | < 6.3      | < 6.3      | < 6.3      | < 1.6      | < 1.6      | < 1.6              | < 0.81     | < 0.81     |        |
| 4-Methyl-2-pentanone       | 50           | 500         | 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      | < 4.6      | < 6.0      | < 6.0      | < 6.0      | < 6.0      | < 2.2      | < 2.2      | < 2.2              | < 0.98     | < 0.98     |        |
| Acetone                    | 1800         | 9000        | NA         | NA         | NA         | < 17       | < 34       | < 3.4      | < 3.4      | < 3.4          | < 3.4      | 15 BJ      | < 3.4      | < 3.4      | < 3.4              | < 2.7      | < 2.7      | < 2.7      | < 8.6      | < 8.6      | < 8.6      | < 8.6      | < 2.6 U    | < 1.7      | < 1.7              | < 6.6      | < 6.6      |        |
| Benzene                    | 0.5          | 5           | < 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     | < 0.25     | < 0.30     | < 0.30     | < 0.30     | < 0.30     | < 0.15     | < 0.15     | < 0.15             | < 0.14     | < 0.14     |        |
| Bromodichloromethane       | 0.06         | 0.6         | < 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     | < 0.36     | < 0.42     | < 0.42     | < 0.42     | < 0.42     | < 0.37     | < 0.37     | < 0.37             | < 0.19     | < 0.19     |        |
| Bromoform                  | 0.44         | 4.4         | < 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      | < 4.0      | < 3.8      | < 3.8      | < 3.8      | < 3.8      | < 0.48     | < 0.48     | < 0.48             | < 0.25     | < 0.25     |        |
| Bromomethane               | 1            | 10          | < 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     | < 0.97     | < 1.2      | < 1.2      | < 1.2      | < 1.2      | < 0.80 UJ  | < 0.80     | < 0.80             | < 2.4      | < 2.4      |        |
| Carbon disulfide           | 200          | 1000        | 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     | < 0.45     | < 1.1      | < 1.1      | < 1.1      | < 1.1      | < 0.45     | < 0.45     | < 0.45             | < 0.26     | < 0.26     |        |
| Carbon tetrachloride       | 0.5          | 5           | < 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     | < 1.1      | < 0.37     | < 0.37     | < 0.37     | < 0.37     | < 0.38     | < 0.38     | < 0.38             | < 0.23     | < 0.23     |        |
| Chloroethane               | 80           | 400         | < 0.68     | < 0.34     | < 0.47     | < 1.3      | < 2.5      | < 0.25     | < 0.25     | < 0.25         | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25             | < 1.3      | < 1.3      | < 1.3      | < 1.4      | < 1.4      | 5.4        | NA         | < 0.51 UJ  | < 0.51     | < 0.51             | < 0.64     | < 0.64     |        |
| Chloroform                 | 0.6          | 6           | < 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      | < 1.3      | < 1.2      | < 1.2      | < 1.2      | < 1.2      | < 0.37     | < 0.37     | < 0.37             | < 0.36     | < 0.36     |        |
| Chloromethane              | 3            | 30          | < 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      | < 2.2      | < 1.6      | < 1.6      | < 1.6      | < 1.6      | < 0.32     | < 0.32     | < 0.32             | < 0.23     | < 0.23     |        |
| cis-1,2-Dichloroethene     | 7            | 70          | < 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     | < 0.27     | < 0.47     | < 0.47 J   | < 0.47     | NA         | < 0.41     | < 0.41     | < 0.41             | < 0.32     | < 0.32     |        |
| Di-isopropyl ether         | NE           | NE          | < 0.30     | < 0.15     | < 0.28     | < 0.75     | < 1.5      | < 0.15     | < 0.15     | < 0.15         | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15             | < 1.9      | < 1.9      | < 1.9      | < 1.1      | < 1.1      | < 1.1      | NA         | < 0.28     | < 0.28     | < 0.28             | < 1.1      | < 1.1      |        |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.40     | < 0.20     | < 0.54     | < 0.55     | < 1.1      | < 0.11     | < 0.11     | < 0.11         | < 0.11     | < 0.11     | < 0.11     | 0.15 J+    | < 0.11             | < 0.11     | < 0.50     | < 0.50     | < 0.46     | < 0.46     | < 0.46     | NA         | < 0.67     | < 0.67     | < 0.67             | < 0.30     | < 0.30     |        |
| Ethylbenzene               | 140          | 700         | < 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     | < 0.32     | < 0.33     | < 0.33     | < 0.33     | < 0.33     | < 0.18     | < 0.18     | < 0.18             | < 0.14     | < 0.14     |        |
| Isopropylbenzene           | NE           | NE          | < 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     | < 1.7      | < 1.0      | < 1.0      | < 1.0      | NA         | < 0.39     | < 0.39     | < 0.39             | < 0.16     | < 0.16     |        |
| m,p-Xylene                 | 400          | 2000        | 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     | < 0.47     | < 0.70     | < 0.70     | < 0.70     | NA         | < 0.18     | < 0.18     | < 0.18             | < 0.36     | < 0.36     |        |
| Methyl tert-butyl ether    | 12           | 60          | < 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      | < 1.2      | < 1.1      | < 1.1 J    | < 1.1      | NA         | < 0.39     | < 0.39     | < 0.39             | < 0.25     | < 0.25     |        |
| Methylene chloride         | 0.5          | 5           | < 1.4      | < 0.68     | < 1.6      | < 0.70     | < 1.4      | < 0.14     | < 0.14     | <b>0.82 BJ</b> | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.27 U           | < 0.27 U   | < 0.58     | < 0.58     | < 0.58     | < 0.32     | < 0.32     | < 0.32     | NA         | < 1.6      | < 1.6              | < 1.6      | < 0.94     | < 0.94 |
| Naphthalene                | 10           | 100         | < 0.32     | < 0.16     | < 0.34     | < 0.44     | < 0.88     | < 0.088    | < 0.088    | < 0.088        | < 0.088    | < 0.088    | < 0.088    | 0.33 J     | < 0.088            | < 0.088    | < 1.2      | < 1.2      | < 1.2      | < 1.1      | < 1.1      | < 1.1      | NA         | < 0.34 UJ  | < 0.34             | < 0.34     | < 0.99     | < 0.99 |
| n-Butylbenzene             | NE           | NE          | < 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     | < 0.71     | < 0.86     | < 0.       |            |            |            |            |                    |            |            |        |

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WELL ID                             | PREVENTIVE   | ENFORCEMENT | 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 <sup>1</sup> | MW-3S <sup>1,3</sup> | MW-3S      | MW-3S <sup>1</sup> | MW-3S <sup>1</sup> | MW-3S      |        |
|-------------------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|----------------------|------------|--------------------|--------------------|------------|--------|
| SCREEN INTERVAL (feet bgs)          | ACTION LIMIT | STANDARD    | 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                         |              |             | 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 | 01/12/2013 | 01/31/2013 | 02/12/2013 | 02/12/2013         | 02/12/2013           | 02/28/2013 | 03/12/2013         | 04/16/2013         | 07/16/2013 |        |
| 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             | < 0.5      |        |
| 1,1,1,2-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              | < 0.4      |        |
| 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             | < 0.56     |        |
| 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             | < 0.62     |        |
| 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             | < 0.28     |        |
| 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             | < 0.72     |        |
| 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             | < 0.54     |        |
| 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             | < 0.56     |        |
| 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              | < 0.4      |        |
| 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             | < 0.48     |        |
| 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             | < 0.62     |        |
| 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             | < 0.36     |        |
| 2-Butanone                          | 800          | 4000        | 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         |        |
| 4-Methyl-2-pentanone                | 50           | 500         | 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         |        |
| 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 |
| 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             | < 0.34     |        |
| 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             | < 0.56     |        |
| 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             | < 0.62     |        |
| Carbon disulfide                    | 200          | 1000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA                   | NA         | NA                 | NA                 | NA         |        |
| 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             | < 0.52     |        |
| Chloroethane                        | 80           | 400         | < 32       | < 25       | < 1.7      | < 1.7      | NA         | NA         | NA         | NA         | NA         | < 0.34     | NA         | NA         | NA                 | < 0.34               | < 0.34     | NA                 | < 0.34             | < 0.68     |        |
| 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    |
| 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             | < 0.36     |        |
| 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     |
| Di-isopropyl ether                  | NE           | NE          | < 16       | < 13       | < 1.4      | < 0.75     | NA         | NA         | NA         | NA         | NA         | < 0.15     | NA         | NA         | NA                 | < 0.15               | < 0.15     | NA                 | < 0.15             | < 0.3      |        |
| 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              | < 0.4      |        |
| 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             | < 0.26     |        |
| 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             | < 0.28     |        |
| m,p-Xylene                          | 400          | 2000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA                   | NA         | NA                 | NA                 | NA         |        |
| 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             | < 0.48     |        |
| 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             | < 1.4      |        |
| 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             | < 0.32     |        |
| 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             | < 0.26     |        |
| n-Hexane                            | 120          | 600         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA                   | NA         | NA                 | NA                 | NA         |        |
| 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             | < 0.26     |        |
| o-Xylene                            | 400          | 2000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA                   | NA         | NA                 | NA                 | NA         |        |
| 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             | < 0.34     |        |
| 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             | < 0.3      |        |
| 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              | < 0.2      |        |
| 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             | < 0.28     |        |
| Tetrachloroethene                   | 0.5          | 5           | 2000       | 1100       | 1600       | 2400       | NA         | NA         | NA         | NA         | NA         | 88         | NA         | NA         | NA                 | 600                  | 600        | NA                 | 750                | 20         | 840    |
| 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             | < 0.22     |        |
| 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             | < 0.5      |        |
| 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     |
| 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             | < 0.38     |        |
| 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              | < 0.2      |        |
| 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            | < 0.14     |        |
| 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         |        |
| 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         |        |
| 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         |        |
| 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         |        |
| 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         |        |
| 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         | 2500       | 12000      | 7100       | 3400       | 3800       | 2700       | 3400       | 4700       | 8600       | 8200               | NA                   | NA         | 13000              | 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 68.                   |              |             |            |            |            |            |            |            |            |            |            |            |            |            |                    |                      |            |                    |                    |            |        |

\\madison-vfp\Records\1-WPMSN\PJT2\638916\0000\000002\000003\Files for R-001\Appendix E - April and October 2024 Groundwater Monitoring Laboratory Analytical Reports and Historical Summary Table\24SA2 T5 GW Summary.xlsx



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-3S      | MW-3S <sup>1</sup> | MW-3S       | MW-3S      | MW-3S      | MW-3S         | MW-3S      | MW-3S       | MW-3S       | MW-3S <sup>3</sup> | MW-3S      | MW-3S        | MW-3S <sup>3</sup> | MW-3S        | MW-3S         | MW-3S <sup>3</sup> | MW-3S      | MW-3D                                                  | MW-3D       | MW-3D      | MW-3D         | MW-3D      | MW-3D      |
|----------------------------|--------------|-------------|------------|--------------------|-------------|------------|------------|---------------|------------|-------------|-------------|--------------------|------------|--------------|--------------------|--------------|---------------|--------------------|------------|--------------------------------------------------------|-------------|------------|---------------|------------|------------|
| 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 | 48 - 53 ft                                             | 48 - 53 ft  | 48 - 53 ft | 48 - 53 ft    | 48 - 53 ft | 48 - 53 ft |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 10/10/2013 | 04/16/2014         | 10/22/2014  | 04/13/2015 | 10/21/2015 | 10/13/2016    | 10/05/2017 | 10/12/2018  | 10/14/2019  | 10/14/2019         | 10/16/2020 | 10/19/2021   | 10/19/2021         | 10/21/2022   | 10/16/2023    | 10/16/2023         | 10/16/2023 | 04/07/2010                                             | 10/01/2010  | 03/30/2011 | 04/12/2012    | 11/30/2012 | 12/19/2012 |
| VOCs                       |              |             |            |                    |             |            |            |               |            |             |             |                    |            |              |                    |              |               |                    |            |                                                        |             |            |               |            |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.5      | < 1.3              | < 0.25      | < 1.3      | < 0.92     | < 2.2         | < 2.8      | < 5.5       | < 5.4       | < 5.4              | < 0.27     | < 1.8        | < 1.8              | < 3.6        | < 0.46        | < 0.46             | < 0.78     | < 8                                                    | < 0.25      | < 5        | < 0.31        | < 1.3      | NA         |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.4      | < 1.0              | < 0.20      | < 1.0      | < 0.76     | < 2.0         | < 2.5      | < 5.0       | < 4.9       | < 4.9              | < 0.24     | < 1.5        | < 1.5              | < 3.0        | < 0.38        | < 0.38             | < 2.0      | < 16                                                   | < 0.5       | < 10       | < 0.26        | < 1        | NA         |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.56     | < 1.4              | < 0.28      | < 1.4      | < 0.70     | < 2.0         | < 2.5      | < 5.0       | < 11.0      | < 11.0             | < 0.55     | < 1.7        | < 1.7              | < 3.4        | < 0.35        | < 0.35             | < 1.4      | < 8                                                    | < 0.25      | < 5        | < 0.3         | < 1.4      | NA         |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.62     | < 1.6              | < 0.31      | < 1.6      | < 0.78     | < 2.8         | < 3.5      | < 7.0       | < 4.9       | < 4.9              | < 0.24     | < 2.9        | < 2.9              | < 5.8        | < 0.39        | < 0.39             | < 1.2      | < 16                                                   | < 0.5       | < 10       | < 0.29        | < 1.6      | NA         |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.28     | < 0.70             | < 0.14      | < 0.70     | < 0.72     | < 1.2         | < 1.5      | < 3.0       | < 16.8      | < 16.8             | < 0.84     | < 2.2        | < 2.2              | < 4.5        | < 0.36        | < 0.36             | < 0.75     | < 6.4                                                  | < 0.2       | < 4        | < 0.22        | < 0.7      | NA         |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.72     | < 1.8              | < 0.36      | < 1.8      | < 0.77     | < 2.6         | < 3.3      | < 6.5       | < 16.6      | < 16.6             | < 0.83     | < 1.5        | < 1.5              | < 3.1        | < 0.39        | < 0.39             | < 0.92     | < 6.4                                                  | < 0.2       | < 4        | < 0.45        | < 1.8      | NA         |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.54     | < 1.4              | < 0.27      | < 1.4      | < 0.67     | < 1.5         | < 1.9      | < 3.8       | < 14.1      | < 14.1             | < 0.71     | < 1.6        | < 1.6              | < 3.3        | < 0.33        | < 0.33             | < 0.72     | < 6.4                                                  | < 0.2       | < 4        | < 0.21        | < 1.4      | NA         |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.56     | < 1.4              | < 0.28      | < 1.4      | < 0.78     | < 1.6         | < 2        | < 3.9       | < 5.6       | < 5.6              | < 0.28     | < 1.5        | < 1.5              | < 2.9        | < 0.39        | < 0.39             | < 1.4      | < 16                                                   | < 0.5       | < 10       | < 0.28        | < 1.4      | NA         |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.4      | < 1.0              | < 0.20      | < 1.0      | < 0.86     | < 2.0         | < 2.5      | < 5.0       | < 5.7       | < 5.7              | < 0.28     | < 2.2        | < 2.2              | < 4.5        | < 0.43        | < 0.43             | < 1.2      | < 16                                                   | < 0.5       | < 10       | < 0.36        | < 1        | NA         |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.48     | < 1.2              | < 0.24      | < 1.2      | < 0.92     | < 0.90        | < 1.1      | < 2.3       | < 12.5      | < 12.5             | < 2.2      | < 5.1        | < 5.1              | < 10.2       | < 0.46        | < 0.46             | < 6.0      | < 8                                                    | < 0.25      | < 5        | < 0.36        | < 1.2      | NA         |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.62     | < 1.6              | < 0.31      | < 1.6      | < 0.68     | < 1.5         | < 1.9      | < 3.9       | < 19.0      | < 19.0             | < 0.95     | < 4.8        | < 4.8              | < 9.5        | < 0.34        | < 0.34             | < 2.9      | < 8                                                    | < 0.25      | < 5        | < 0.22        | < 1.6      | NA         |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.36     | < 0.90             | < 0.18      | < 0.90     | < 0.51     | < 1.5         | < 1.9      | < 3.8       | < 17.5      | < 17.5             | < 0.87     | < 1.8        | < 1.8              | < 3.6        | < 0.25        | < 0.25             | < 0.61     | < 6.4                                                  | < 0.2       | < 4        | < 0.23        | < 0.9      | NA         |
| 2-Butanone                 | 800          | 4000        | NA         | NA                 | NA          | NA         | NA         | < 60          | < 75       | < 150       | < 58.7      | < 58.7             | < 2.9      | < 32.6       | < 32.6             | < 65.2       | < 2.1         | < 2.1              | < 23       | NA                                                     | NA          | NA         | NA            | NA         | NA         |
| 2-Hexanone                 | NE           | NE          | NA         | NA                 | NA          | NA         | NA         | < 19          | < 24       | < 48        | < 49.1      | < 49.1             | < 5.2      | < 31.4       | < 31.4             | < 62.8       | < 1.6         | < 1.6              | < 4.1      | NA                                                     | NA          | NA         | NA            | NA         | NA         |
| 4-Methyl-2-pentanone       | 50           | 500         | NA         | NA                 | NA          | NA         | NA         | < 15          | < 19       | < 39        | < 30.6      | < 30.6             | < 4.6      | < 29.8       | < 29.8             | < 59.5       | < 2.2         | < 2.2              | < 4.9      | NA                                                     | NA          | NA         | NA            | NA         | NA         |
| Acetone                    | 1800         | 9000        | NA         | NA                 | NA          | NA         | NA         | < 68          | < 85       | < 170       | < 54.8      | < 54.8             | < 2.7      | < 43.2       | < 43.2             | < 86.4       | < 1.7         | < 2.2 U            | < 33       | NA                                                     | NA          | NA         | NA            | NA         | NA         |
| Benzene                    | 0.5          | 5           | <b>1</b>   | < 0.37             | <b>0.67</b> | < 0.37     | < 0.29     | < 1.8         | < 2.2      | < 4.5       | < 4.9       | < 4.9              | < 0.25     | < 1.5        | < 1.5              | < 3.0        | < 0.15        | < 0.15             | < 0.72     | < 6.4                                                  | 0.31        | < 4        | 0.39 J        | < 0.37     | NA         |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.34     | < 0.85             | < 0.17      | < 0.85     | < 0.74     | < 1.5         | < 1.9      | < 3.9       | < 7.3       | < 7.3              | < 0.36     | < 2.1        | < 2.1              | < 4.2        | < 0.37        | < 0.37             | < 0.94     | < 6.4                                                  | < 0.2       | < 4        | < 0.23        | < 0.85     | NA         |
| Bromoform                  | 0.44         | 4.4         | < 0.56     | < 1.4              | < 0.28      | < 1.4      | < 0.97     | < 1.8         | < 2.2      | < 4.4       | < 79.4      | < 79.4             | < 4.0      | < 19.0       | < 19.0             | < 38.0       | < 0.48        | < 0.48             | < 1.2      | < 6.4                                                  | < 0.2       | < 4        | < 0.45        | < 1.4      | NA         |
| Bromomethane               | 1            | 10          | < 0.62     | < 1.6              | < 0.31      | < 1.6      | < 1.6      | < 12          | < 15       | < 30        | < 19.4      | < 19.4             | < 0.97     | < 6.0        | < 6.0              | < 11.9       | < 0.80        | < 0.80             | < 12       | < 16                                                   | < 0.5       | < 10       | < 0.49        | < 1.6      | NA         |
| Carbon disulfide           | 200          | 1000        | NA         | NA                 | NA          | NA         | NA         | < 1.1         | < 1.3      | < 2.7       | < 7.5       | < 7.5              | < 0.45     | < 5.5        | < 5.5              | < 11.0       | < 0.45        | < 0.45             | < 1.3      | NA                                                     | NA          | NA         | NA            | NA         | NA         |
| Carbon tetrachloride       | 0.5          | 5           | < 0.52     | < 1.3              | < 0.26      | < 1.3      | < 0.77     | < 0.76        | < 0.95     | < 1.9       | < 3.3       | < 3.3              | < 1.1      | < 1.8        | < 1.8              | < 3.7        | < 0.38        | < 0.38             | < 1.1      | < 26                                                   | < 0.8       | < 16       | < 0.28        | < 1.3      | NA         |
| Chloroethane               | 80           | 400         | < 0.68     | < 1.7              | < 0.34      | < 1.7      | < 0.94     | < 5.0         | < 6.3      | < 13        | < 26.8      | < 26.8             | < 1.3      | < 6.9        | < 6.9              | < 13.8       | < 0.51        | < 0.51             | < 3.2      | < 32                                                   | < 1         | < 20       | < 0.33        | < 1.7      | NA         |
| Chloroform                 | 0.6          | 6           | <b>3.7</b> | <b>3.4 J</b>       | <b>2.4</b>  | < 1.0      | <b>3</b>   | < 1.2         | < 1.6      | < 3.1       | < 25.5      | < 25.5             | < 1.3      | < 5.9        | < 5.9              | < 11.8       | <b>0.66 J</b> | <b>0.70 J</b>      | < 1.8      | < 6.4                                                  | <b>0.78</b> | < 4        | <b>0.93 J</b> | < 1        | NA         |
| Chloromethane              | 3            | 30          | < 0.36     | < 0.90             | < 0.18      | < 0.90     | < 0.64     | <b>11 B J</b> | < 4        | < 17 U      | < 43.8      | < 43.8             | < 2.2      | < 8.2        | < 8.2              | < 16.4       | < 0.32        | < 0.32             | < 1.1      | < 9.6                                                  | < 0.3       | < 6        | < 0.24        | < 0.9      | NA         |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>58</b>  | < 0.60             | <b>35</b>   | <b>54</b>  | <b>36</b>  | <b>29</b>     | <b>20</b>  | <b>21 J</b> | <b>25.6</b> | <b>24.9</b>        | 6.8        | <b>9.1 J</b> | <b>9.3 J</b>       | <b>8.5 J</b> | <b>7.8 J</b>  | <b>10 J</b>        | <b>8.7</b> | <b>510</b> <b>310</b> <b>300</b> <b>350</b> <b>520</b> |             |            |               |            | NA         |
| Di-isopropyl ether         | NE           | NE          | < 0.3      | < 0.75             | < 0.15      | < 0.75     | < 0.55     | < 3.0         | &lt        |             |             |                    |            |              |                    |              |               |                    |            |                                                        |             |            |               |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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         | MW-3D      | MW-3D <sup>3</sup> | MW-3D      | MW-3D      | MW-3D      | MW-3D      | MW-3D      |            |
|----------------------------|--------------|-------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|---------------|------------|---------------|---------------|---------------|------------|--------------------|------------|------------|------------|------------|------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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 | 48 - 53 ft |            |
| SAMPLE DATE                |              |             | 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 | 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 |
| <b>VOCs</b>                |              |             |            |            |               |            |            |            |            |            |            |            |               |            |               |               |               |            |                    |            |            |            |            |            |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | NA         | NA         | < 0.25        | NA         | NA         | < 0.25     | NA         | < 0.25     | < 0.25     | < 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     |
| 1,1,1-Trichloroethane      | 40           | 200         | NA         | NA         | < 0.2         | NA         | NA         | < 0.2      | NA         | < 0.2      | < 0.2      | < 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      |
| 1,1,2-Trichloroethane      | 0.5          | 5           | NA         | NA         | < 0.28        | NA         | NA         | < 0.28     | NA         | < 0.28     | < 0.28     | < 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      |
| 1,1-Dichloroethene         | 0.7          | 7           | NA         | NA         | < 0.31        | NA         | NA         | < 0.31     | NA         | < 0.31     | < 0.31     | < 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     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | NA         | NA         | < 0.14        | NA         | NA         | < 0.14     | NA         | < 0.14     | < 0.14     | < 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     |
| 1,2-Dibromoethane          | 0.005        | 0.05        | NA         | NA         | < 0.36        | NA         | NA         | < 0.36     | NA         | < 0.36     | < 0.36     | < 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     |
| 1,2-Dichlorobenzene        | 60           | 600         | NA         | NA         | < 0.27        | NA         | NA         | < 0.27     | NA         | < 0.27     | < 0.27     | < 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    |
| 1,2-Dichloroethane         | 0.5          | 5           | NA         | NA         | < 0.28        | NA         | NA         | < 0.28     | NA         | < 0.28     | < 0.28     | < 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    |
| 1,2-Dichloropropane        | 0.5          | 5           | NA         | NA         | < 0.2         | NA         | NA         | < 0.2      | NA         | < 0.2      | < 0.2      | < 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      |
| 1,2,3-Trichlorobenzene     | NE           | NE          | NA         | NA         | < 0.24        | NA         | NA         | < 0.24     | NA         | < 0.24     | < 0.24     | < 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    |
| 1,2,4-Trichlorobenzene     | 14           | 70          | NA         | NA         | < 0.31        | NA         | NA         | < 0.31     | NA         | < 0.31     | < 0.31     | < 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    |
| 1,3,5-Trimethylbenzene     | 96           | 480         | NA         | NA         | < 0.18        | NA         | NA         | < 0.18     | NA         | < 0.18     | < 0.18     | < 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    |
| 2-Butanone                 | 800          | 4000        | NA         | NA         | NA            | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA            | NA            | < 3.0      | 4.0 J              | 5.7 J      | < 3.0      | < 3.0      | < 3.0      | < 3.0      | < 3        |
| 2-Hexanone                 | NE           | NE          | NA         | 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         | NA         | 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        | NA         | NA         | NA            | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA            | NA            | < 3.4      | 14 J               | 15 J       | < 3.4      | 12 J       | 33         | 18 BJ      | 40         |
| Benzene                    | 0.5          | 5           | NA         | NA         | 0.32 J        | NA         | NA         | 0.29 J     | NA         | < 0.074    | 0.27 J     | < 0.15     | 0.36 J        | < 0.15     | <b>0.55 J</b> | 0.40 J        | < 0.15        | < 0.089    | < 0.089            | < 0.089    | < 0.089    | < 0.089    | 0.36 BJ    | 0.34 J     | 0.38 J     |
| Bromodichloromethane       | 0.06         | 0.6         | NA         | NA         | < 0.17        | NA         | NA         | < 0.17     | NA         | < 0.17     | < 0.17     | < 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    |
| Bromofom                   | 0.44         | 4.4         | NA         | NA         | < 0.28        | NA         | NA         | < 0.28     | NA         | < 0.28     | < 0.28     | < 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    |
| Bromomethane               | 1            | 10          | NA         | NA         | < 0.31        | NA         | NA         | < 0.31     | NA         | < 0.31     | < 0.31     | < 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     |
| Carbon disulfide           | 200          | 1000        | NA         | NA         | NA            | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA            | NA            | < 0.053    | < 0.053            | < 0.053    | 0.18 J     | 0.44 J     | 0.38 J     | 0.39 J     | < 0.053    |
| Carbon tetrachloride       | 0.5          | 5           | NA         | NA         | < 0.26        | NA         | NA         | < 0.26     | NA         | < 0.26     | < 0.26     | < 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    |
| Chloroethane               | 80           | 400         | NA         | NA         | < 0.34        | NA         | NA         | < 0.34     | NA         | < 0.34     | < 0.34     | < 0.68     | < 0.34        | < 0.68     | < 0.68        | < 0.34        | < 0.47        | < 0.25     | < 0.25             | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     |
| Chloroform                 | 0.6          | 6           | NA         | NA         | <b>0.89 J</b> | NA         | NA         | < 0.2      | NA         | < 0.2      | < 0.2      | < 0.4      | <b>0.85 J</b> | < 0.40     | < 0.40        | <b>0.88 J</b> | <b>0.90 J</b> | < 0.062    | < 0.062            | < 0.062    | < 0.062    | < 0.062    | 0.19 BJ    | < 0.062    | 0.43 J     |
| Chloromethane              | 3            | 30          | NA         | NA         | < 0.18        | NA         | NA         | < 0.18     | NA         | < 0.18     | < 0.18     | < 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        |
| cis-1,2-Dichloroethene     | 7            | 70          | NA         | NA         | <b>290</b>    | NA         | NA         | <b>200</b> | NA         | <b>54</b>  | <b>210</b> | <b>200</b> | <b>180</b>    | <b>170</b> | <b>170</b>    | <b>82</b>     | <b>48</b>     | 0.87       | 0.77               | 0.69       | <b>13</b>  | 3.6        | <b>7.3</b> | <b>10</b>  | 1.7        |
| Di-isopropyl ether         | NE           | NE          | NA         | NA         | < 0.15        | NA         | NA         | < 0.15     | NA         | < 0.15     | < 0.15     | < 0.30     | < 0.15        | < 0.30     | < 0.30        | < 0.15        | < 0.28        | < 0.15     | < 0.15             | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     |
| Dichlorodifluoromethane    | 200          | 1000        | NA         | NA         | < 0.2         | NA         | NA         | < 0.2      | NA         | < 0.2      | < 0.2      | < 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     |
| Ethylbenzene               | 140          | 700         | NA         | NA         | < 0.13        | NA         | NA         | < 0.13     | NA         | < 0.13     | < 0.13     | < 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    |
| Isopropylbenzene           | NE           | NE          | NA         | NA         | < 0.14        | NA         | NA         | < 0.14     | NA         | < 0.14     | < 0.14     | < 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   |
| m,p-Xylene                 | 400          | 2000        | NA         | 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    | < 0.057    |
| Methyl tert-butyl ether    | 12           | 60          | NA         | NA         | < 0.24        | NA         | NA         | < 0.24     | NA         | < 0.24     | < 0.24     | < 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     |
| Methylene chloride         | 0.5          | 5           | NA         | NA         | < 0.68        | NA         | NA         | < 0.68     | NA         | < 0.68     | < 0.68     | < 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     |
| Naphthalene                | 10           | 100         | NA         | NA         | < 0.16        | NA         | NA         | < 0.16     | NA         | < 0.16     | < 0.16     | < 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    |
| n-Butylbenzene             | NE           | NE          | NA         | NA         | < 0.13        | NA         | NA         | < 0.13     | NA         | < 0.13     | < 0.13     | < 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     |
| n-Hexane                   | 120          | 600         | NA         | 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 J   | < 0.21     |
| n-Propylbenzene            | NE           | NE          | NA         | NA         | < 0.13        | NA         | NA         | < 0.13     | NA         | < 0.13     | < 0.13     | < 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      |
| o-Xylene                   | 400          | 2000        | NA         | 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    |
| p-Isopropyltoluene         | NE           | NE          | NA         | NA         | < 0.17        | NA         | NA         | < 0.17     | NA         | < 0.17     | < 0.17     | < 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    |
| sec-Butylbenzene           | NE           | NE          | NA         | NA         | < 0.15        | NA         | NA         | < 0.15     | NA         | < 0.15     | < 0.15     | < 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     |
| Styrene                    | 10           | 100         | NA         | NA         | < 0.1         | NA         | NA         | < 0.1      | NA         | < 0.1      | < 0.1      | < 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    |
| tert-Butylbenzene          | NE           | NE          | NA         | NA         | < 0.14        | NA         | NA         | < 0.14     | NA         | < 0.14     | < 0.14     | < 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     |
| Tetrachloroethene          | 0.5          | 5           | NA         | NA         | <b>660</b>    | NA         | NA         | <b>760</b> | NA         |            |            |            |               |            |               |               |               |            |                    |            |            |            |            |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-3D      | MW-3D <sup>3</sup> | MW-3D      | MW-3D       | MW-3D <sup>3</sup> | MW-3D       | MW-3D <sup>3</sup> | MW-3D      | MW-3D      | MW-3D <sup>3</sup> | MW-3D       | MW-3D         | MW-3D       | MW-3D <sup>3</sup> | MW-3D      | MW-3D <sup>3</sup> | MW-3D      | MW-3D <sup>3</sup> | MW-3D       | MW-3D      | MW-3D <sup>3</sup> | MW-3D      | MW-3D <sup>3</sup> |
|----------------------------|--------------|-------------|------------|--------------------|------------|-------------|--------------------|-------------|--------------------|------------|------------|--------------------|-------------|---------------|-------------|--------------------|------------|--------------------|------------|--------------------|-------------|------------|--------------------|------------|--------------------|
| 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         | 48 - 53 ft |                    |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 04/06/2018 | 04/06/2018         | 10/12/2018 | 04/09/2019  | 04/09/2019         | 10/14/2019  | 10/14/2019         | 7/17/2020  | 10/19/2020 | 10/19/2020         | 04/14/2021  | 10/19/2021    | 04/26/2022  | 04/26/2022         | 10/21/2022 | 10/21/2022         | 4/12/2023  | 4/12/2023          | 10/16/2023  | 04/24/2024 | 04/24/2024         | 10/24/2024 | 10/24/2024         |
| VOCs                       |              |             |            |                    |            |             |                    |             |                    |            |            |                    |             |               |             |                    |            |                    |            |                    |             |            |                    |            |                    |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.11     | < 1.1              | < 0.11     | < 0.54      | < 1.1              | < 0.27      | < 2.7              | NA         | < 2.7      | < 0.27             | < 3.6       | < 3.6         | < 3.6       | < 3.6              | < 3.6      | < 3.6              | < 0.46     | < 0.46             | < 0.46      | < 0.46     | < 0.46             | < 0.78     | < 0.62             |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.10     | < 1.0              | < 0.10     | < 0.49      | < 0.98             | < 0.24      | < 2.4              | NA         | < 2.4      | < 0.24             | < 3.0       | < 3.0         | < 3.0       | < 3.0              | < 3.0      | < 3.0              | < 0.38     | < 0.38             | < 0.38      | < 0.38     | < 0.38             | < 2.0      | < 1.6              |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.10     | < 1.0              | < 0.10     | < 1.1       | < 2.2              | < 0.55      | < 5.5              | NA         | < 5.5      | < 0.55             | < 3.4       | < 3.4         | < 3.4       | < 3.4              | < 3.4      | < 3.4              | < 0.35     | < 0.35             | < 0.35      | < 0.35     | < 0.35             | < 1.4      | < 1.1              |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.14     | < 1.4              | < 0.14     | < 0.49      | < 0.98             | < 0.24      | < 2.4              | NA         | < 2.4      | < 0.24             | < 5.8       | < 5.8         | < 5.8       | < 5.8              | < 5.8      | < 5.8              | < 0.39     | < 0.39             | < 0.39      | < 0.39     | < 0.39             | < 1.2      | < 0.92             |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.060    | < 0.60             | < 0.060    | < 1.7       | < 3.4              | < 0.84      | < 8.4              | NA         | < 8.4      | < 0.84             | < 4.5       | < 4.5         | < 4.5       | < 4.5              | < 4.5      | < 4.5              | < 0.36     | < 0.73 U           | < 0.36      | < 0.36     | < 0.36             | < 0.75     | < 0.60             |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.13     | < 1.3              | < 0.13     | < 1.7       | < 3.3              | < 0.83      | < 8.3              | NA         | < 8.3      | < 0.83             | < 3.1       | < 3.1         | < 3.1       | < 3.1              | < 3.1      | < 3.1              | < 0.39     | < 0.39             | < 0.39      | < 0.39     | < 0.39             | < 0.92     | < 0.73             |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.076    | < 0.76             | < 0.076    | < 1.4       | < 2.8              | < 0.71      | < 7.1              | NA         | < 7.1      | < 0.71             | < 3.3       | < 3.3         | < 3.3       | < 3.3              | < 3.3      | < 3.3              | < 0.33     | < 0.33             | < 0.33      | < 0.33     | < 0.33             | < 0.72     | < 0.58             |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.078    | < 0.78             | < 0.078    | < 0.56      | < 1.1              | < 0.28      | < 2.8              | NA         | < 2.8      | < 0.28             | < 2.9       | < 2.9         | < 2.9       | < 2.9              | < 2.9      | < 2.9              | < 0.39     | < 0.39             | < 0.39      | < 0.39     | < 0.39             | < 1.4      | < 1.1              |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.10     | < 1.0              | < 0.10     | < 0.57      | < 1.1              | < 0.28      | < 2.8              | NA         | < 2.8      | < 0.28             | < 4.5       | < 4.5         | < 4.5       | < 4.5              | < 4.5      | < 4.5              | < 0.43     | < 0.43             | < 0.43      | < 0.43     | < 0.43             | < 1.2      | < 0.97             |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.045    | < 0.45             | < 0.045    | < 1.3       | < 2.5              | < 0.63      | < 6.3              | NA         | < 22.1     | < 2.2              | < 10.2      | < 10.2        | < 10.2      | < 10.2             | < 10.2     | < 10.2             | < 0.46 UJ  | < 0.46             | < 0.46      | < 0.46     | < 0.46             | < 6.0      | < 4.8              |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.077    | < 0.77             | < 0.077    | < 1.9       | < 3.8              | < 0.95      | < 9.5              | NA         | < 9.5      | < 0.95             | < 9.5       | < 9.5         | < 9.5       | < 9.5              | < 9.5      | < 9.5              | < 0.34 UJ  | < 0.34             | < 0.34      | < 0.34     | < 0.34             | < 2.9      | < 2.3              |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.075    | < 0.75             | < 0.075    | < 1.7       | < 3.5              | < 0.87      | < 8.7              | NA         | < 8.7      | < 0.87             | < 3.6       | < 3.6         | < 3.6       | < 3.6              | < 3.6      | < 3.6              | < 0.25     | < 0.25             | < 0.25      | < 0.25     | < 0.25             | < 0.61     | < 0.48             |
| 2-Butanone                 | 800          | 4000        | < 3.0      | < 30               | < 3.0      | < 5.9       | < 11.7             | < 2.9       | < 29.4             | NA         | < 29.4     | < 2.9              | < 65.2      | < 65.2        | < 65.2      | < 65.2             | < 65.2     | < 65.2             | < 2.1      | < 2.1 UJ           | < 2.1       | < 2.1      | < 2.1              | < 23       | < 18               |
| 2-Hexanone                 | NE           | NE          | < 0.95     | < 9.5              | < 0.95     | < 4.9       | < 9.8              | < 2.5       | < 24.6             | NA         | < 52.1     | < 5.2              | < 62.8      | < 62.8        | < 62.8      | < 62.8             | < 62.8     | < 62.8             | < 1.6      | < 1.6 UJ           | < 1.6       | < 1.6      | < 1.6              | < 4.1      | < 3.2              |
| 4-Methyl-2-pentanone       | 50           | 500         | < 0.77     | < 7.7              | < 0.77     | < 3.1       | < 6.1              | < 1.5       | < 15.3             | NA         | < 46.4     | < 4.6              | < 59.5      | < 59.5        | < 59.5      | < 59.5             | < 59.5     | < 59.5             | < 2.2      | < 2.2 UJ           | < 2.2       | < 2.2      | < 2.2              | < 4.9      | < 3.9              |
| Acetone                    | 1800         | 9000        | 7.5 J+     | 42 J+              | < 3.4      | < 5.5       | < 11.0             | < 2.7       | < 27.4             | NA         | < 27.4     | < 2.7              | < 86.4      | < 86.4        | < 86.4      | < 86.4             | < 86.4     | < 86.4             | < 3.1 U    | 2.9 J              | < 1.9 U     | < 1.7      | < 1.7              | < 33       | < 26               |
| Benzene                    | 0.5          | 5           | 0.21 J     | < 0.89             | 0.15 J     | < 0.49      | < 0.99             | < 0.25      | < 2.5              | NA         | < 2.5      | < 0.25             | < 3.0       | < 3.0         | < 3.0       | < 3.0              | < 3.0      | < 3.0              | < 0.15     | < 0.15             | < 0.15      | < 0.15     | < 0.15             | < 0.72     | < 0.58             |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.077    | < 0.77             | < 0.077    | < 0.73      | < 1.5              | < 0.36      | < 3.6              | NA         | < 3.6      | < 0.36             | < 4.2       | < 4.2         | < 4.2       | < 4.2              | < 4.2      | < 4.2              | < 0.37     | < 0.37             | < 0.37      | < 0.37     | < 0.37             | < 0.94     | < 0.75             |
| Bromoform                  | 0.44         | 4.4         | < 0.088    | < 0.88             | < 0.088    | < 7.9       | < 15.9             | < 4.0       | < 39.7             | NA         | < 39.7     | < 4.0              | < 38.0      | < 38.0        | < 38.0      | < 38.0             | < 38.0     | < 38.0             | < 0.48     | < 0.48             | < 0.48      | < 0.48     | < 0.48             | < 1.2      | < 0.98             |
| Bromomethane               | 1            | 10          | < 0.59     | < 5.9              | < 0.59     | < 1.9       | < 3.9              | < 0.97      | < 9.7              | NA         | < 9.7      | < 0.97             | < 11.9      | < 11.9        | < 11.9      | < 11.9             | < 11.9     | < 11.9             | < 0.80 UJ  | < 0.80 UJ          | < 0.80      | < 0.80     | < 0.80             | < 12       | < 9.4              |
| Carbon disulfide           | 200          | 1000        | < 0.053    | < 0.53             | < 0.053    | < 0.75      | < 1.5              | < 0.37      | < 3.7              | NA         | < 4.5      | < 0.45             | < 11.0      | < 11.0        | < 11.0      | < 11.0             | < 11.0     | < 11.0             | < 0.45     | < 0.45             | < 0.45      | < 0.45     | < 0.45             | < 1.3      | < 1.0              |
| Carbon tetrachloride       | 0.5          | 5           | < 0.038    | < 0.38             | < 0.038    | < 0.33      | < 0.66             | < 0.17      | < 1.7              | NA         | < 10.8     | < 1.1              | < 3.7       | < 3.7         | < 3.7       | < 3.7              | < 3.7      | < 3.7              | < 0.38     | < 0.38             | < 0.38      | < 0.38     | < 0.38             | < 1.1      | < 0.90             |
| Chloroethane               | 80           | 400         | < 0.25     | < 2.5              | < 0.25     | < 2.7       | < 5.4              | < 1.3       | < 13.4             | NA         | < 13.4     | < 1.3              | < 13.8      | < 13.8        | < 13.8      | < 13.8             | < 13.8     | < 13.8             | < 0.51 UJ  | < 0.51             | < 0.51      | < 0.51     | < 0.51             | < 3.2      | < 2.6              |
| Chloroform                 | 0.6          | 6           | 0.39 J     | <b>0.90 J</b>      | < 0.31 U   | < 2.5       | < 5.1              | < 1.3       | < 12.7             | NA         | < 12.7     | < 1.3              | < 11.8      | < 11.8        | < 11.8      | < 11.8             | < 11.8     | < 11.8             | < 0.37     | < 0.37             | < 0.37      | < 0.37     | < 0.37             | < 1.8      | < 1.4              |
| Chloromethane              | 3            | 30          | < 0.16     | < 1.6              | < 0.35 U   | < 4.4       | < 8.8              | < 2.2       | < 21.9             | NA         | < 21.9     | < 2.2              | < 16.4      | < 16.4        | < 16.4      | < 16.4             | < 16.4     | < 16.4             | < 0.32     | < 1.1 U            | 0.59 J      | < 0.32     | < 0.32             | < 1.1      | < 0.91             |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>44</b>  | <b>43</b>          | <b>39</b>  | <b>52.9</b> | <b>43.4</b>        | <b>68.3</b> | <b>63.3</b>        | NA         | <b>51</b>  | <b>55</b>          | <b>49.8</b> | <b>44.3 J</b> | <b>36.7</b> | <b>31.2</b>        | <b>28</b>  | <b>29.3</b>        | <b>21</b>  | <b>25</b>          | <b>27 J</b> | <b>8</b>   | <b>8.8 J+</b>      | <b>11</b>  | <b>11</b>          |
| Di-isopropyl ether         | NE           | NE          | < 0.15     | < 1.5              | < 0.15     | < 3.8       | < 7.6              | < 1.9       | < 18.9             | NA         | < 18.9     | < 1.9              | < 11.0      | < 11.0        | < 11.0      | < 11.0             | < 11.0     | < 11.0             | < 0.28     | < 0.28             | < 0.28      | < 0.28     | < 0.28             | < 5.5      | < 4.4              |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.11     | < 1.1              | < 0.11     | < 1.0       | < 2.0              | < 0.50      | < 5.0              | NA         | < 5.0      | < 0.50             | < 4.6       | < 4.6         | < 4.6       | < 4.6              | < 4.6      | < 4.6              | < 0.67     | < 0.67             | < 0.67      | < 0.67     | < 0.67             | < 1.5      | < 1.2              |
| Ethylbenzene               | 140          | 700         | < 0.054    | < 0.54             | < 0.054    | < 0.44      | < 0.87             | < 0.22      | < 2.2              | NA         | < 3.2      | < 0.32             | < 3.3       | < 3.3         | < 3.3       | < 3.3              | < 3.3      | < 3.3              | < 0.18     | < 0.18             | < 0.18      | < 0.18     | < 0.18             | < 0.72     | < 0.58             |
| Isopropylbenzene           | NE           | NE          | 0.12 J     | < 0.81             | < 0.081    | < 0.79      | < 1.6              | < 0.39      | < 3.9              | NA         | < 16.9     | < 1.7              | < 10.0      | < 10.0        | < 10.0      | < 10.0             | < 10.0     | < 10.0             | < 0.39     | < 0.39             | < 0.39      | < 0.39     | < 0.39             | < 0.79     | < 0.63             |
| m,p-Xylene                 | 400          | 2000        | 0.060 J    | < 0.57             | < 0.057    | < 0.93      | < 1.9              | < 0.47      | < 4.7              | NA         | < 4.7      | < 0.47             | < 7.0       | < 7.0         | < 7.0       | < 7.0              | < 7.0      | < 7.0              | < 0.18     | < 0.18             | < 0.18      | < 0.18     | < 0.18             | < 1.8      | < 1.4              |
| Methyl tert-butyl ether    | 12           | 60          | < 0.14     | < 1.4              | < 0.14     | < 2.5       | < 5.0              | < 1.2       | < 12.5             | NA         | < 12.5     | < 1.2              | < 11.3      | < 11.3 J      | < 11.3      | < 11.3             | < 11.3     | < 11.3             | < 0.39     | < 0.39             | < 0.39      | < 0.39     | < 0.39             | < 1.3      | < 1.0              |
| Methylene chloride         | 0.5          | 5           | < 0.14     | <b>1.5 J+</b>      | < 0.25 U   | < 1.2       | < 2.3              | < 0.58      | < 5.8              | NA         | < 5.8      | < 0.58             | < 3.2       | < 3.2         | < 3.2       | <b>4.4 J</b>       | < 3.2      | < 3.2              | < 1.6      | < 1.7 U            | < 1.6       | < 1.6      | < 1.6              | < 4.7      | < 3.8              |
| Naphthalene                | 10           | 100         | < 0.088    | < 0.88             | < 0.088    | < 2.4       | < 4.7              | < 1.2       | < 11.8             | NA         | < 11.8     | < 1.2              | < 11.3      | < 11.3        | < 11.3      | < 11.3             | < 11.3     | < 11.3             | < 0.34 UJ  | < 0.34             | < 0.34      | < 0.34     | < 0.34             | < 5.0      | < 4.0              |
| n-Butylbenzene             | NE           | NE          | < 0.14     | < 1.4              | < 0.14     | < 1.4       | < 2.8              | < 0.71      | < 7.1              | NA         | < 7.1      | < 0.71             | < 8.6       | < 8.6         | < 8.6       | < 8.6              | < 8.6      | < 8.6              | < 0.39     | < 0.39             | < 0.39      | < 0.39     | < 0.39             | < 1.2      | < 0.93             |
| n-Hexane                   | 120          | 600         | < 0.21     | < 2.1              | < 0.21     | < 3.4       | < 6.8              | < 1.7       | < 17.1             | NA         | < 17.1     | < 1.7              | < 14.6      | < 14.6        | < 14.6      | < 14.6             | < 14.6     | < 14.6             | < 0.49     | < 0.49             | < 0.49      | < 0.49     | < 0.49             | < 0.82     | < 0.65             |
| n-Propylbenzene            | NE           | NE          | < 0.10     | < 1.0              | < 0.10     | < 1.6       | < 3.2              | < 0.81      | < 8.1              | NA         | < 8.1      | < 0.81             | < 3.5       | < 3.5         | < 3.5       | < 3.5              | < 3.5      | < 3.5              | < 0.41     | < 0.41             | < 0.41      | < 0.41     | < 0.41             | < 0.92     | < 0.74             |
| o-Xylene                   | 400          | 2000        | < 0.058    | < 0.58             | < 0.058    | < 0.52      | < 1.0              | < 0.26      | < 2.6              | NA         | < 2.6      | < 0.26             | < 3.5       | < 3.5         | < 3.5       | < 3.5              | < 3.5      | < 3.5              | < 0.22     | < 0.22             | < 0.22      | < 0.22     | < 0.22             | < 0.57     | < 0.46             |
| p-Isopropyltoluene         | NE           | NE          | < 0.085    | < 0.85             | < 0.085    | < 1.6       | < 3.2              | < 0.80      | < 8.0              | NA         | < 8.0      | &lt                |             |               |             |                    |            |                    |            |                    |             |            |                    |            |                    |

Appendix E: Historical 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 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2     | MW-3D2     | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>1</sup> | MW-3D2 <sup>1</sup> | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|---------------------|------------|---------------------|------------|------------|------------|------------|---------------------|------------|------------|---------------------|------------|---------------------|---------------------|---------------------|------------|---------------------|
| 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 | 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     | < 0.5               |
| 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      | < 0.4               |
| 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     | < 0.56              |
| 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     | < 0.62              |
| 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     | < 0.28              |
| 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     | < 0.72              |
| 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     | < 0.54              |
| 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     | < 0.56              |
| 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      | < 0.4               |
| 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     | < 0.48              |
| 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     | < 0.62              |
| 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     | < 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           | < 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    | < 0.15              |
| 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     | < 0.34              |
| 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     | < 0.56              |
| 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     | < 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           | < 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     | < 0.52              |
| Chloroethane               | 80           | 400         | < 25       | < 50       | < 50       | < 1        | < 50       | < 1.7      | < 1.7               | < 1.7      | < 1.7               | NA         | NA         | NA         | < 0.68     | < 0.68              | NA         | < 0.34     | < 0.68              | NA         | < 0.34              | < 0.34              | < 0.68              | < 0.34     | < 0.68              |
| 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      | < 0.4               |
| 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     | < 0.36              |
| 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         | 11                  |
| Di-isopropyl ether         | NE           | NE          | < 13       | < 25       | < 25       | < 0.5      | < 25       | < 1.4      | < 1.4               | < 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     | < 0.3               |
| 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      | < 0.4               |
| 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     | < 0.26              |
| 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     | < 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          | < 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     | < 0.48              |
| 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     | < 1.4               |
| 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     | < 0.32              |
| 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     | < 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          | < 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     | < 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          | < 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     | < 0.34              |
| 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     | < 0.3               |
| 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      | < 0.2               |
| 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     | < 0.28              |
| 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        | 840                 |
| 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     | < 0.22              |
| 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     | < 0.5               |
| 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        | 12                  |
| Trichlorofluoromethane     | 698          | 3490        | < 43       | < 100      | < 100      | < 2        | < 100      | < 1.1      | < 1.1               | < 0.95     | < 0.95              | NA         |            |            |            |                     |            |            |                     |            |                     |                     |                     |            |                     |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2         | MW-3D2 <sup>3</sup> | MW-3D2     | MW-3D2 <sup>3</sup> |            |
|----------------------------|--------------|-------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|----------------|---------------------|------------|---------------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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                |              |             | 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 |
| VOCs                       |              |             |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |                |                     |            |                     |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 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              | < 0.10     | < 0.1               | < 0.10     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 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              | < 0.10     | < 0.1               | < 0.10     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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     | < 0.14              | 0.26 J     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 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             | < 0.060    | < 0.06              | < 0.060    |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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    |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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    |
| 1,2-Dichloropropane        | 0.5          | 5           | < 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              | < 0.10     | < 0.1               | < 0.10     |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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    |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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    |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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    |
| 2-Butanone                 | 800          | 4000        | 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               | < 3.0      | < 3                 | < 3.0      |
| 2-Hexanone                 | NE           | NE          | 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     |
| 4-Methyl-2-pentanone       | 50           | 500         | 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     |
| Acetone                    | 1800         | 9000        | 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      |
| Benzene                    | 0.5          | 5           | < 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    |
| Bromodichloromethane       | 0.06         | 0.6         | < 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    |
| Bromoform                  | 0.44         | 4.4         | < 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    |
| Bromomethane               | 1            | 10          | < 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     |
| Carbon disulfide           | 200          | 1000        | 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    |
| Carbon tetrachloride       | 0.5          | 5           | < 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    |
| Chloroethane               | 80           | 400         | < 0.34     | < 0.34              | < 1.7      | < 1.7               | < 0.68     | < 0.68              | < 1.7      | < 1.7               | < 4.7      | < 4.7               | < 0.25     | < 0.25              | < 0.25     | < 0.25              | < 0.25     | < 0.25              | < 0.25         | < 0.25              | < 0.25     | < 0.25              | < 0.25     |
| Chloroform                 | 0.6          | 6           | < 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     |
| Chloromethane              | 3            | 30          | < 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     | <b>5.1</b>          | < 0.16     |
| cis-1,2-Dichloroethene     | 7            | <b>21</b>   | <b>20</b>  | <b>210</b>          | <b>220</b> | <b>230</b>          | <b>240</b> | <b>270</b>          | <b>230</b> | <b>220</b>          | 2.5        | 2.5                 | 0.84       | 3.0                 | 3.6        | <b>15</b>           | <b>17</b>  | <b>30</b>           | 2.1            | <b>34</b>           | <b>33</b>  |                     |            |
| Di-isopropyl ether         | NE           | NE          | < 0.15     | < 0.15              | < 0.75     | < 0.75              | < 0.30     | < 0.30              | < 0.75     | < 0.75              | < 2.8      | < 2.8               | < 0.15     | < 0.15              | < 0.15     | < 0.15              | < 0.15     | < 0.15              | < 0.15         | < 0.15              | < 0.15     | < 0.15              | < 0.15     |
| Dichlorodifluoromethane    | 200          | 1000        | < 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        |
| Ethylbenzene               | 140          | 700         | < 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    |
| Isopropylbenzene           | NE           | NE          | < 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    |
| m,p-Xylene                 | 400          | 2000        | 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    |
| Methyl tert-butyl ether    | 12           | 60          | < 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     |
| Methylene chloride         | 0.5          | 5           | < 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              | <b>0.68 BJ</b> | < 0.14              | < 0.14     | < 0.14              | < 0.14     |
| Naphthalene                | 10           | 100         | < 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    |
| n-Butylbenzene             | NE           | NE          | < 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     |
| n-Hexane                   | 120          | 600         | 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     |
| n-Propylbenzene            | NE           | NE          | < 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              | < 0.1      | < 0.10              | < 0.10     |
| o-Xylene                   | 400          | 2000        | 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    |
| p-Isopropyltoluene         | NE           | NE          | < 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    |
| sec-Butylbenzene           | NE           | NE          | < 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     |
| Styrene                    | 10           | 100         | < 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    |
| tert-Butylbenzene          | NE           | NE          | < 0.14     | < 0.14              | < 0.70     | < 0.70              | < 0.28     | < 0.28              | < 0.70     | < 0.70              | < 4.0      | < 4.0               | < 0.12     | < 0.12              | <          |                     |            |                     |                |                     |            |                     |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-3D2     | MW-3D2 <sup>3</sup> | MW-3D2      | MW-3D2      | MW-3D2      | MW-3D2      | MW-3D2 <sup>3</sup> | MW-3D2        | MW-3D2      | MW-3D2     | MW-3D2     | MW-3D2     | MW-3D2     | MW-3D2     | MW-3D3       | MW-3D3 <sup>3</sup> | MW-3D3       | MW-3D3       | MW-3D3       | MW-3D3       | MW-3D3       | MW-3D3       | MW-3D3 |
|----------------------------|--------------|-------------|------------|---------------------|-------------|-------------|-------------|-------------|---------------------|---------------|-------------|------------|------------|------------|------------|------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------|
| 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 | 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    | 10/12/2018 | 10/12/2018          | 04/09/2019  | 10/14/2019  | 10/16/2020  | 04/14/2021  | 10/19/2021          | 10/19/2021    | 04/26/2022  | 10/21/2022 | 4/12/2023  | 10/16/2023 | 04/24/2024 | 10/24/2024 | 07/24/2012   | 07/24/2012          | 11/27/2012   | 12/19/2012   | 12/31/2012   | 01/03/2013   | 01/18/2013   | 01/31/2013   |        |
| VOCS                       |              |             |            |                     |             |             |             |             |                     |               |             |            |            |            |            |            |              |                     |              |              |              |              |              |              |        |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.11     | < 5.5               | < 0.54      | < 0.27      | < 0.27      | < 0.36      | < 1.8               | < 3.6         | < 1.8       | < 0.89     | < 0.46     | < 0.46     | < 0.46     | < 0.16     | < 0.25       | < 0.25              | < 0.25       | NA           | NA           | NA           | < 0.25       | NA           |        |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.10     | < 5.0               | < 0.49      | < 0.24      | < 0.24      | < 0.30      | < 1.5               | < 3.0         | < 1.5       | < 0.76     | < 0.38     | < 0.38     | < 0.38     | < 0.39     | < 0.2        | < 0.2               | < 0.2        | NA           | NA           | NA           | < 0.2        | NA           |        |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.10     | < 5.0               | < 1.1       | < 0.55      | < 0.55      | < 0.34      | < 1.7               | < 3.4         | < 1.7       | < 0.86     | < 0.35     | < 0.35     | < 0.35     | < 0.27     | < 0.28       | < 0.28              | < 0.28       | NA           | NA           | NA           | < 0.28       | NA           |        |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.14     | < 7.0               | < 0.49      | < 0.24      | < 0.24      | < 0.58      | < 2.9               | < 5.8         | < 2.9       | < 1.5      | 0.43 J     | < 0.39     | < 0.39     | < 0.23     | < 0.31       | < 0.31              | < 0.31       | NA           | NA           | NA           | < 0.31       | NA           |        |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.060    | < 3.0               | < 1.7       | < 0.84      | < 0.84      | < 0.45      | < 2.2               | < 4.5         | < 2.2       | < 1.1      | < 0.36     | < 0.36     | < 0.36     | < 0.15     | < 0.14       | < 0.14              | < 0.14       | NA           | NA           | NA           | < 0.14       | NA           |        |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.13     | < 6.5               | < 1.7       | < 0.83      | < 0.83      | < 0.31      | < 1.5               | < 3.1         | < 1.5       | < 0.77     | < 0.39     | < 0.39     | < 0.39     | < 0.18     | < 0.36       | < 0.36              | < 0.36       | NA           | NA           | NA           | < 0.36       | NA           |        |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.076    | < 3.8               | < 1.4       | < 0.71      | < 0.71      | < 0.33      | < 1.6               | < 3.3         | < 1.6       | < 0.81     | < 0.33     | < 0.33     | < 0.33     | < 0.14     | < 0.27       | < 0.27              | < 0.27       | NA           | NA           | NA           | < 0.27       | NA           |        |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.078    | < 3.9               | < 0.56      | < 0.28      | < 0.28      | < 0.29      | < 1.5               | < 2.9         | < 1.5       | < 0.73     | < 0.39     | < 0.39     | < 0.39     | < 0.28     | < 0.28       | < 0.28              | < 0.28       | NA           | NA           | NA           | < 0.28       | NA           |        |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.10     | < 5.0               | < 0.57      | < 0.28      | < 0.28      | < 0.45      | < 2.2               | < 4.5         | < 2.2       | < 1.1      | < 0.43     | < 0.43     | < 0.43     | < 0.24     | < 0.2        | < 0.2               | < 0.2        | NA           | NA           | NA           | < 0.2        | NA           |        |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.045    | < 2.3               | < 1.3       | < 0.63      | < 2.2       | < 1.0       | < 5.1               | < 10.2        | < 5.1       | < 2.5      | < 0.46 UJ  | < 0.46     | < 0.46     | < 1.2      | < 0.24       | < 0.24              | < 0.24       | NA           | NA           | NA           | < 0.24       | NA           |        |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.077    | < 3.9               | < 1.9       | < 0.95      | < 0.95      | < 0.95      | < 4.8               | < 9.5         | < 4.8       | < 2.4      | < 0.34 UJ  | < 0.34     | < 0.34     | < 0.58     | < 0.31       | < 0.31              | < 0.31       | NA           | NA           | NA           | < 0.31       | NA           |        |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.075    | < 3.8               | < 1.7       | < 0.87      | < 0.87      | < 0.36      | < 1.8               | < 3.6         | < 1.8       | < 0.89     | < 0.25     | < 0.25     | < 0.25     | < 0.12     | < 0.18       | < 0.18              | < 0.18       | NA           | NA           | NA           | < 0.18       | NA           |        |
| 2-Butanone                 | 800          | 4000        | < 3.0      | < 150               | < 5.9       | < 2.9       | < 2.9       | < 6.5       | < 32.6              | < 65.2        | < 32.6      | < 16.3     | < 2.1      | < 2.1      | < 2.1      | < 4.6      | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| 2-Hexanone                 | NE           | NE          | < 0.95     | < 48                | < 4.9       | < 2.5       | < 5.2       | < 6.3       | < 31.4              | < 62.8        | < 31.4      | < 15.7     | < 1.6      | < 1.6      | < 1.6      | < 0.81     | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| 4-Methyl-2-pentanone       | 50           | 500         | < 0.77     | < 39                | < 3.1       | < 1.5       | < 4.6       | < 6.0       | < 29.8              | < 59.5        | < 29.8      | < 14.9     | < 2.2      | < 2.2      | < 2.2      | < 0.98     | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| Acetone                    | 1800         | 9000        | < 3.4      | < 170               | < 5.5       | < 2.7       | < 2.7       | < 8.6       | < 43.2              | < 86.4        | < 43.2      | < 21.6     | < 2.8 U    | < 2.8 U    | < 1.7      | < 6.6      | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| Benzene                    | 0.5          | 5           | < 0.089    | < 4.5               | < 0.49      | < 0.25      | < 0.25      | < 0.30      | < 1.5               | < 3.0         | < 1.5       | < 0.74     | < 0.15     | < 0.15     | < 0.15     | < 0.14     | < 0.074      | < 0.074             | < 0.074      | NA           | NA           | NA           | 0.30 J       | NA           |        |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.077    | < 3.9               | < 0.73      | < 0.36      | < 0.36      | < 0.42      | < 2.1               | < 4.2         | < 2.1       | < 1.0      | < 0.37     | < 0.37     | < 0.37     | < 0.19     | < 0.17       | < 0.17              | < 0.17       | NA           | NA           | NA           | < 0.17       | NA           |        |
| Bromoform                  | 0.44         | 4.4         | < 0.088    | < 4.4               | < 7.9       | < 4.0       | < 4.0       | < 3.8       | < 19.0              | < 38.0        | < 19.0      | < 9.5      | < 0.48     | < 0.48     | < 0.48     | < 0.25     | < 0.28       | < 0.28              | < 0.28       | NA           | NA           | NA           | < 0.28       | NA           |        |
| Bromomethane               | 1            | 10          | < 0.59     | < 30                | < 1.9       | < 0.97      | < 0.97      | < 1.2       | < 6.0               | < 11.9        | < 6.0       | < 3.0      | < 0.80 UJ  | < 0.80     | < 0.80     | < 2.4      | < 0.31       | < 0.31              | < 0.31       | NA           | NA           | NA           | < 0.31       | NA           |        |
| Carbon disulfide           | 200          | 1000        | < 0.053    | < 2.7               | < 0.75      | < 0.37      | < 0.45      | < 1.1       | < 5.5               | < 11.0        | < 5.5       | < 2.8      | < 0.45     | < 0.45     | < 0.45     | < 0.26     | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| Carbon tetrachloride       | 0.5          | 5           | < 0.038    | < 1.9               | < 0.33      | < 0.17      | < 1.1       | < 0.37      | < 1.8               | < 3.7         | < 1.8       | < 0.92     | < 0.38     | < 0.38     | < 0.38     | < 0.23     | < 0.26       | < 0.26              | < 0.26       | NA           | NA           | NA           | < 0.26       | NA           |        |
| Chloroethane               | 80           | 400         | < 0.25     | < 13                | < 2.7       | < 1.3       | < 1.3       | < 1.4       | < 6.9               | < 13.8        | < 6.9       | < 3.4      | < 0.51 UJ  | < 0.51     | < 0.51     | < 0.64     | < 0.34       | < 0.34              | < 0.34       | NA           | NA           | NA           | < 0.34       | NA           |        |
| Chloroform                 | 0.6          | 6           | < 0.18 U   | < 3.1               | < 2.5       | < 1.3       | < 1.3       | < 1.2       | < 5.9               | < 11.8        | < 5.9       | < 3.0      | < 0.37     | < 0.37     | < 0.37     | < 0.36     | < 0.2        | < 0.2               | < 0.2        | NA           | NA           | NA           | < 0.2        | NA           |        |
| Chloromethane              | 3            | 30          | < 0.41 U   | < 17 U              | < 4.4       | < 2.2       | < 2.2       | < 1.6       | < 8.2               | < 16.4        | < 8.2       | < 4.1      | < 0.32     | < 0.32     | < 0.32     | < 0.23     | < 0.18       | < 0.18              | < 0.18       | NA           | NA           | NA           | < 0.18       | NA           |        |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>30</b>  | <b>27</b>           | <b>22.6</b> | <b>20.4</b> | <b>16.3</b> | <b>19.5</b> | <b>19.9 J</b>       | <b>23.9 J</b> | <b>18.8</b> | 1.2 J      | 1.0        | 0.45 J     | < 0.41     | < 0.32     | 2.2          | 2.2                 | 6.8          | NA           | NA           | NA           | <b>15</b>    | NA           |        |
| Di-isopropyl ether         | NE           | NE          | < 0.15     | < 7.5               | < 3.8       | < 1.9       | < 1.9       | < 1.1       | < 5.5               | < 11.0        | < 5.5       | < 2.8      | < 0.28     | < 0.28     | < 0.28     | < 1.1      | < 0.15       | < 0.15              | < 0.15       | NA           | NA           | NA           | < 0.15       | NA           |        |
| Dichlorodifluoromethane    | 200          | 1000        | 1.0        | < 5.5               | 1.0 J       | 2.9 J       | 1.8 J       | 2.3 J       | < 2.3               | < 4.6         | < 2.3       | < 1.1      | < 0.67     | < 0.67     | < 0.67     | < 0.30     | < 0.2        | < 0.2               | < 0.2        | NA           | NA           | NA           | < 0.2        | NA           |        |
| Ethylbenzene               | 140          | 700         | < 0.054    | < 2.7               | < 0.44      | < 0.22      | < 0.32      | < 0.33      | < 1.6               | < 3.3         | < 1.6       | < 0.81     | < 0.18     | < 0.18     | < 0.18     | < 0.14     | < 0.13       | < 0.13              | < 0.13       | NA           | NA           | NA           | < 0.13       | NA           |        |
| Isopropylbenzene           | NE           | NE          | < 0.081    | < 4.1               | < 0.79      | < 0.39      | < 1.7       | < 1.0       | < 5.0               | < 10.0        | < 5.0       | < 2.5      | < 0.39     | < 0.39     | < 0.39     | < 0.16     | < 0.14       | < 0.14              | < 0.14       | NA           | NA           | NA           | < 0.14       | NA           |        |
| m,p-Xylene                 | 400          | 2000        | < 0.057    | < 2.9               | < 0.93      | < 0.47      | < 0.47      | < 0.70      | < 3.5               | < 7.0         | < 3.5       | < 1.8      | < 0.18     | < 0.18     | < 0.18     | < 0.36     | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| Methyl tert-butyl ether    | 12           | 60          | < 0.14     | < 7.0               | < 2.5       | < 1.2       | < 1.2       | < 1.1       | < 5.6 J             | < 11.3 J      | < 5.6       | < 2.8      | < 0.39     | < 0.39     | < 0.39     | < 0.25     | < 0.24       | < 0.24              | < 0.24       | NA           | NA           | NA           | < 0.24       | NA           |        |
| Methylene chloride         | 0.5          | 5           | < 0.21 U   | < 7.0               | < 1.2       | < 0.58      | < 0.58      | < 0.32      | < 1.6               | < 3.2         | < 1.6       | < 0.80     | < 1.6      | < 1.6      | < 1.6      | < 0.94     | < 0.68       | < 0.68              | < 0.68       | NA           | NA           | NA           | < 0.68       | NA           |        |
| Naphthalene                | 10           | 100         | < 0.088    | < 4.4               | < 2.4       | < 1.2       | < 1.2       | < 1.1       | < 5.6               | < 11.3        | < 5.6       | < 2.8      | < 0.34 UJ  | < 0.34     | < 0.34     | < 0.99     | < 0.16       | < 0.16              | < 0.16       | NA           | NA           | NA           | < 0.16       | NA           |        |
| n-Butylbenzene             | NE           | NE          | < 0.14     | < 7.0               | < 1.4       | < 0.71      | < 0.71      | < 0.86      | < 4.3               | < 8.6         | < 4.3       | < 2.1      | < 0.39     | < 0.39     | < 0.39     | < 0.23     | < 0.13       | < 0.13              | < 0.13       | NA           | NA           | NA           | < 0.13       | NA           |        |
| n-Hexane                   | 120          | 600         | < 0.21     | < 11                | < 3.4       | < 1.7       | < 1.7       | < 1.5       | < 7.3               | < 14.6        | < 7.3       | < 3.7      | < 0.49     | < 0.49     | < 0.49     | < 0.16     | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| n-Propylbenzene            | NE           | NE          | < 0.10     | < 5.0               | < 1.6       | < 0.81      | < 0.81      | < 0.35      | < 1.7               | < 3.5         | < 1.7       | < 0.86     | < 0.41     | < 0.41     | < 0.41     | < 0.18     | < 0.13       | < 0.13              | < 0.13       | NA           | NA           | NA           | < 0.13       | NA           |        |
| o-Xylene                   | 400          | 2000        | < 0.058    | < 2.9               | < 0.52      | < 0.26      | < 0.26      | < 0.35      | < 1.7               | < 3.5         | < 1.7       | < 0.87     | < 0.22     | < 0.22     | < 0.22     | < 0.11     | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           |        |
| p-Isopropyltoluene         | NE           | NE          | < 0.085    | < 4.3               | < 1.6       | < 0.80      | < 0.80      | < 1.0       | < 5.2               | < 10.4        | < 5.2       | < 2.6      | < 0.36     | < 0.36     | < 0.36     | < 0.19     | < 0.17       | < 0.17              | < 0.17       | NA           | NA           | NA           | < 0.17       | NA           |        |
| sec-Butylbenzene           | NE           | NE          | < 0.13     | < 6.5               | < 1.7       | < 0.85      | < 0.85      | < 0.42      | < 2.1               | < 4.2         | < 2.1       | < 1.1      | < 0.40     | < 0.40     | < 0.40     | < 0.20     | < 0.15       | < 0.15              | < 0.15       | NA           | NA           | NA           | < 0.15       | NA           |        |
| Styrene                    | 10           | 100         | < 0.065    | < 3.3               | < 0.93      | < 0.47      | < 3.0       | < 0.36      | < 1.8               | < 3.6         | < 1.8       | < 0.89     | < 0.39     | < 0.39     | < 0.39     | < 0.13     | < 0.1        | < 0.1               | < 0.1        | NA           | NA           | NA           | < 0.1        | NA           |        |
| tert-Butylbenzene          | NE           | NE          | < 0.12     | < 6.0               | < 0.61      | < 0.30      | < 0.30      | < 0.59      | < 2.9               | < 5.9         | < 2.9       | < 1.5      | < 0.40     | < 0.40     | < 0.40     | < 0.18     | < 0.14       | < 0.14              | < 0.14       | NA           | NA           | NA           | < 0.14       | NA           |        |
| Tetrachloroethene          | 0.5          | 5           | <b>490</b> | <b>480</b>          | <b>300</b>  | <b>280</b>  | <b>278</b>  | <b>394</b>  | <b>424</b>          | <b>449</b>    | <b>299</b>  | <b>271</b> | <b>130</b> | <b>120</b> | <b>59</b>  | <b>62</b>  | <b>6.6</b>   | <b>6.6</b>          | <b>1.7</b>   | NA           | NA           | NA           | <b>1.3</b>   | NA           |        |
| Toluene</                  |              |             |            |                     |             |             |             |             |                     |               |             |            |            |            |            |            |              |                     |              |              |              |              |              |              |        |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | 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 |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 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   | 10/16/2020   | 10/19/2021   | 10/21/2022   | 10/16/2023   | 10/24/2024   |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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       | < 0.27       | < 0.36       | < 0.36       | < 0.46       | < 0.16       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 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       | < 0.24       | < 0.30       | < 0.30       | < 0.38       | < 0.39       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 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       | < 0.55       | < 0.34       | < 0.34       | < 0.35       | < 0.27       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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       | < 0.24       | < 0.58       | < 0.58       | < 0.39       | < 0.23       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 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       | < 0.84       | < 0.45       | < 0.45       | < 0.36       | < 0.15       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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       | < 0.83       | < 0.31       | < 0.31       | < 0.39       | < 0.18       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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       | < 0.71       | < 0.33       | < 0.33       | < 0.33       | < 0.14       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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       | < 0.28       | < 0.29       | < 0.29       | < 0.39       | < 0.28       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 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       | < 0.28       | < 0.45       | < 0.45       | < 0.43       | < 0.24       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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       | < 2.2        | < 1.0        | < 1.0        | < 0.46       | < 1.2        |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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       | < 0.95       | < 0.95       | < 0.95       | < 0.34       | < 0.58       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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       | < 0.87       | < 0.36       | < 0.36       | < 0.25       | < 0.12       |
| 2-Butanone                 | 800          | 4000        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 3.0        | < 3          | < 3.0        | < 2.9        | < 2.9        | < 6.5        | < 6.5        | < 2.1        | < 4.6        |
| 2-Hexanone                 | NE           | NE          | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.95       | < 0.95       | < 0.95       | < 2.5        | < 5.2        | < 6.3        | < 6.3        | < 1.6        | < 0.81       |
| 4-Methyl-2-pentanone       | 50           | 500         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.77       | < 0.77       | < 0.77       | < 1.5        | < 4.6        | < 6.0        | < 6.0        | < 2.2        | < 0.98       |
| Acetone                    | 1800         | 9000        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 3.4        | < 3.4        | < 3.4        | < 2.7        | < 2.7        | < 8.6        | < 8.6        | < 2.3 U      | < 6.6        |
| Benzene                    | 0.5          | 5           | < 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       | < 0.25       | < 0.30       | < 0.30       | < 0.15       | < 0.14       |
| Bromodichloromethane       | 0.06         | 0.6         | < 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       | < 0.36       | < 0.42       | < 0.42       | < 0.37       | < 0.19       |
| Bromoform                  | 0.44         | 4.4         | < 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        | < 4.0        | < 3.8        | < 3.8        | < 0.48       | < 0.25       |
| Bromomethane               | 1            | 10          | < 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       | < 0.97       | < 1.2        | < 1.2        | < 0.80       | < 2.4        |
| Carbon disulfide           | 200          | 1000        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.053      | < 0.053      | < 0.053      | < 0.37       | < 0.45       | < 1.1        | < 1.1        | < 0.45       | < 0.26       |
| Carbon tetrachloride       | 0.5          | 5           | < 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       | < 1.1        | < 0.37       | < 0.37       | < 0.38       | < 0.23       |
| Chloroethane               | 80           | 400         | < 0.34       | NA           | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.25       | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.4        | < 1.4        | < 0.51       | < 0.64       |
| Chloroform                 | 0.6          | 6           | < 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        | < 1.3        | < 1.2        | < 1.2        | < 0.37       | < 0.36       |
| Chloromethane              | 3            | 30          | < 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        | < 2.2        | < 1.6        | < 1.6        | < 0.32       | < 0.23       |
| cis-1,2-Dichloroethene     | 7            | 70          | 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       | < 0.27       | < 0.47 J     | < 0.47       | < 0.41       | < 0.32       |
| Di-isopropyl ether         | NE           | NE          | < 0.15       | NA           | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 0.15       | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.1        | < 1.1        | < 0.28       | < 1.1        |
| Dichlorodifluoromethane    | 200          | 1000        | < 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       | < 0.50       | < 0.46       | < 0.46       | < 0.67       | < 0.30       |
| Ethylbenzene               | 140          | 700         | < 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       | < 0.32       | < 0.33       | < 0.33       | < 0.18       | < 0.14       |
| Isopropylbenzene           | NE           | NE          | < 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       | < 1.7        | < 1.0        | < 1.0        | < 0.39       | < 0.16       |
| m,p-Xylene                 | 400          | 2000        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.057      | < 0.057      | < 0.057      | < 0.47       | < 0.47       | < 0.70       | NA           | < 0.18       | < 0.36       |
| Methyl tert-butyl ether    | 12           | 60          | < 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        | < 1.2        | < 1.1 J      | < 1.1        | < 0.39       | < 0.25       |
| Methylene chloride         | 0.5          | 5           | < 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       | < 0.58       | < 0.32       | < 0.32       | < 1.6        | < 0.94       |
| Naphthalene                | 10           | 100         | < 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        | < 1.2        | < 1.1        | < 1.1        | < 0.34       | < 0.99       |
| n-Butylbenzene             | NE           | NE          | < 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       | < 0.71       | < 0.86       | < 0.86       | < 0.39       | < 0.23       |
| n-Hexane                   | 120          | 600         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.21       | < 0.21       | < 0.21       | < 1.7        | < 1.7        | < 1.5        | < 1.5        | < 0.49       | < 0.16       |
| n-Propylbenzene            | NE           | NE          | < 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       | < 0.81       | < 0.35       | < 0.35       | < 0.41       | < 0.18       |
| o-Xylene                   | 400          | 2000        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.058      | < 0.058      | < 0.058      | < 0.26       | < 0.26       | < 0.35       | NA           | < 0.22       | < 0.11       |
| p-Isopropyltoluene         | NE           | NE          | < 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       | < 0.80       | < 1.0        | < 1.0        | < 0.36       | < 0.19       |
| sec-Butylbenzene           | NE           | NE          | < 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       | < 0.85       | < 0.42       | < 0.42       | < 0.40       | < 0.20       |
| Styrene                    | 10           | 100         | < 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       | < 3.0        | < 0.36       | < 0.36       | < 0.39       | < 0.13       |
| tert-Butylbenzene          | NE           | NE          | < 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       | < 0.30       | < 0.59       | < 0.59       | < 0.40       | < 0.18       |
| Tetrachloroethene          | 0.5          | 5           | 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       | < 0.33 U     | < 0.41       | < 0.41       | < 0.37       | < 0.40       |
| Toluene                    | 160          | 800         | < 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       | < 0.27       | < 0.29       | < 0.29       | < 0.15       | < 0.32       |
| trans-1,2-Dichloroethene   | 20           | 100         | < 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        | < 0.46       | < 0.53       | < 0.53       | < 0.35       | < 0.37       |
| Trichloroethene            | 0.5          | 5           | < 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       | < 0.26       | < 0.32       | < 0.32       | < 0.16       | < 0.30       |
| Trichlorofluoromethane     | 698          | 3490        | < 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       | < 0.21       | < 0.42       | < 0.42       | < 0.43       | < 0.20       |
| Vinyl chloride             | 0.02         | 0.2         | < 0.1        | NA           | < 0.1        | < 0          |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

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Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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 <sup>3</sup> | MW-4D      | MW-4D      | MW-4D <sup>3</sup> | MW-4D       | MW-4D      | MW-4D      | MW-4D      |            |
|----------------------------|--------------|-------------|------------|------------|------------|------------|---------------|------------|------------|---------------|------------|------------|------------|------------|--------------------|------------|------------|--------------------|-------------|------------|------------|------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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 | 65 - 70 ft         | 65 - 70 ft  | 65 - 70 ft | 65 - 70 ft | 65 - 70 ft |            |
| SAMPLE DATE                |              |             | 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 | 7/20/2020          | 7/20/2020   | 10/14/2020 | 04/13/2021 | 10/15/2021 | 04/25/2022 |
| 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         | 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         | 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         | 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         | 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         | 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         | 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         | 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         | 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         | 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         | 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         | 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         | 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                 | 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           | < 0.2      | < 0.2      | < 0.12     | < 0.074    | < 0.074       | < 0.074    | < 0.074    | < 0.074       | < 0.074    | NA         | NA         | NA         | NA                 | NA         | 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         | 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         | 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         | 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                 | 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         | NA                 | NA          | NA         | NA         | NA         |            |
| Chloroethane               | 80           | 400         | < 1        | < 1        | < 0.33     | < 0.34     | < 0.34        | < 0.34     | < 0.34     | < 0.34        | < 0.34     | NA         | NA         | NA         | NA                 | NA         | 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         | 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         | 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         | NA                 | NA          | NA         | NA         | NA         |            |
| Di-isopropyl ether         | NE           | NE          | < 0.5      | < 0.5      | < 0.27     | < 0.15     | < 0.15        | < 0.15     | < 0.15     | < 0.15        | < 0.15     | NA         | NA         | NA         | NA                 | NA         | 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         | 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         | 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         | 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                 | 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         | 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         | 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         | 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         | 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                 | 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         | 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                 | 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         | 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         | 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         | 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         | NA                 | NA          | NA         | NA         | NA         |            |
| Tetrachloroethene          | 0.5          | 5           | <b>0.9</b> | <b>0.7</b> | < 0.22     | < 0.17     | <b>0.51 J</b> | < 0.17     | < 0.17     | <b>0.58 J</b> | < 0.17     | NA         | NA         | NA         | NA                 | NA         | 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         | 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         | 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         | 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         | 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         | 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         | 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   | < 0.0072 J-        | < 0.0072 J- | < 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   | < 0.0042 J-        | < 0.0042 J- | < 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    | < 0.013 J-         | < 0.013 J-  | < 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    | < 0.011 J-         | < 0.011 J-  | < 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         | 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         |            |
| 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</       |            |               |            |            |               |            |            |            |            |                    |            |            |                    |             |            |            |            |            |

Appendix E: Historical 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 <sup>3</sup> | MW-4D2     | MW-4D2     | 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 | 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 | 10/14/2020 | 04/14/2021 | 10/15/2021 |        |
| 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     | < 0.11     | < 0.11     | < 0.27     | < 0.27     | < 0.36     | < 0.36 |
| 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     | < 0.24     | < 0.30     | < 0.30     |        |
| 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     | < 0.55     | < 0.34     | < 0.34     |        |
| 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     | < 0.24     | < 0.58     | < 0.58     |        |
| 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     | < 0.84     | < 0.45     | < 0.45     |        |
| 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     | < 0.83     | < 0.31     | < 0.31     |        |
| 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     | < 0.71     | < 0.33     | < 0.33     |        |
| 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     | < 0.28     | < 0.29     | < 0.29     |        |
| 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     | < 0.28     | < 0.45     | < 0.45     |        |
| 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     | < 2.2      | < 1.0      | < 1.0      |        |
| 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     | < 0.95     | < 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     | < 0.87     | < 0.36     | < 0.36     |        |
| 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        | < 3.0      | < 3.0      | < 2.9      | < 2.9      | < 2.9      | < 6.5      | < 6.5      |            |        |
| 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     | < 2.5      | < 2.5      | < 5.2      | < 6.3      | < 6.3      |            |        |
| 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     | < 1.5      | < 1.5      | < 4.6      | < 6.0      | < 6.0      |            |        |
| 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      | < 2.7      | < 2.7      | < 2.7      | < 8.6      | < 8.6      |            |        |
| 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     | < 0.25     | < 0.30     | < 0.30     |        |
| 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     | < 0.36     | < 0.42     | < 0.42     |        |
| 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      | < 4.0      | < 3.8      | < 3.8      |        |
| Bromomethane               | 1            | 10          | < 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     | < 1.1 U    | < 0.97     | < 0.97     | < 0.97     | < 1.2      | < 1.2      |        |
| 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     | < 0.45     | < 1.1      | < 1.1      |        |
| 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     | < 1.1      | < 0.37     | < 0.37     |        |
| Chloroethane               | 80           | 400         | < 1        | < 0.33     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.47     | < 0.25     | < 0.25     | < 0.25     | < 0.25              | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 1.3      | < 1.3      | < 1.3      | < 1.4      | < 1.4      |        |
| 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      | < 1.3      | < 1.2      | < 1.2      |        |
| 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      | < 2.2      | < 1.6      | < 1.6      |        |
| 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     | < 0.27     | < 0.47     | < 0.47     |        |
| Di-isopropyl ether         | NE           | NE          | < 0.5      | < 0.27     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.28     | < 0.15     | < 0.15     | < 0.15     | < 0.15              | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 1.9      | < 1.9      | < 1.9      | < 1.1      | < 1.1      |        |
| 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     | < 0.50     | < 0.46     | < 0.46     |        |
| 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     | < 0.32     | < 0.33     | < 0.33     |        |
| 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     | < 1.7      | < 1.0      | < 1.0      |        |
| 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     | < 0.47     | < 0.70     | < 0.70     |        |
| 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      | < 1.2      | < 1.1      | < 1.1      |        |
| 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     | < 0.58     | < 0.32     | < 0.32     |        |
| 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      | < 1.2      | < 1.1      | < 1.1      |        |
| 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     | < 0.71     | < 0.86     | < 0.86     |        |
| 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      | < 1.7      | < 1.5      | < 1.5      |        |
| 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              | <          |            |            |            |            |            |            |            |            |            |            |        |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE<br>ACTION LIMIT | ENFORCEMENT<br>STANDARD | MW-4D2     | MW-4D2 <sup>2</sup> | MW-4D2     | MW-4D2     | MW-4D2     | MW-4D2     | MW-4D2     | MW-5S      | MW-5S      | MW-5S         | MW-5S <sup>1</sup> | 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) |                            |                         | 91 - 96 ft | 91 - 96 ft          | 91 - 96 ft | 91 - 96 ft | 91 - 96 ft | 91 - 96 ft | 91 - 96 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                |                            |                         | 04/25/2022 | 04/25/2022          | 10/24/2022 | 4/12/2023  | 10/12/2023 | 04/24/2024 | 10/24/2024 | 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 |          |        |
| VOCs                       |                            |                         |            |                     |            |            |            |            |            |            |            |               |                    |               |               |            |            |            |               |            |               |            |            |            |             |            |          |        |
| 1,1,1,2-Tetrachloroethane  | 7                          | 70                      | < 0.36     | < 0.36              | < 0.36     | < 0.46     | < 0.46     | < 0.46     | < 0.16     | < 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     | < 0.25     | < 0.46     | < 0.22      | < 0.11     | < 0.22   |        |
| 1,1,1-Trichloroethane      | 40                         | 200                     | < 0.30     | < 0.30              | < 0.30     | < 0.38     | < 0.38     | < 0.38     | < 0.39     | < 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     | < 0.20     | < 0.38     | < 0.20      | < 0.1      | < 0.20   |        |
| 1,1,2-Trichloroethane      | 0.5                        | 5                       | < 0.34     | < 0.34              | < 0.34     | < 0.35     | < 0.35     | < 0.35     | < 0.27     | < 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     | < 0.28     | < 0.35     | < 0.20      | < 0.1      | < 0.20   |        |
| 1,1-Dichloroethene         | 0.7                        | 7                       | < 0.58     | < 0.58              | < 0.58     | < 0.39     | < 0.39     | < 0.39     | < 0.23     | < 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     | < 0.31     | < 0.39     | < 0.28      | < 0.14     | < 0.28   |        |
| 1,2,4-Trimethylbenzene     | 96                         | 480                     | < 0.45     | < 0.45              | < 0.45     | < 0.36     | < 0.36     | < 0.36     | < 0.15     | < 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     | < 0.14     | < 0.36     | < 0.12      | < 0.06     | < 0.12   |        |
| 1,2-Dibromoethane          | 0.005                      | 0.05                    | < 0.31     | < 0.31              | < 0.31     | < 0.39     | < 0.39     | < 0.39     | < 0.18     | < 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     | < 0.36     | < 0.39     | < 0.26      | < 0.13     | < 0.26   |        |
| 1,2-Dichlorobenzene        | 60                         | 600                     | < 0.33     | < 0.33              | < 0.33     | < 0.33     | < 0.33     | < 0.33     | < 0.14     | < 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     | < 0.27     | < 0.33     | < 0.15      | < 0.076    | < 0.15   |        |
| 1,2-Dichloroethane         | 0.5                        | 5                       | < 0.29     | < 0.29              | < 0.29     | < 0.39     | < 0.39     | < 0.39     | < 0.28     | < 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     | < 0.28     | < 0.39     | < 0.16      | < 0.078    | < 0.16   |        |
| 1,2-Dichloropropane        | 0.5                        | 5                       | < 0.45     | < 0.45              | < 0.45     | < 0.43     | < 0.43     | < 0.43     | < 0.24     | < 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     | < 0.20     | < 0.43     | < 0.20      | < 0.1      | < 0.20   |        |
| 1,2,3-Trichlorobenzene     | NE                         | NE                      | < 1.0      | < 1.0               | < 1.0      | < 0.46 UJ  | < 0.46     | < 0.46     | < 1.2      | < 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     | < 0.24     | < 0.46     | < 0.090     | < 0.045    | < 0.090  |        |
| 1,2,4-Trichlorobenzene     | 14                         | 70                      | < 0.95     | < 0.95              | < 0.95     | < 0.34 UJ  | < 0.34     | < 0.34     | < 0.58     | < 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     | < 0.31     | < 0.34     | < 0.15      | < 0.077    | < 0.15   |        |
| 1,3,5-Trimethylbenzene     | 96                         | 480                     | < 0.36     | < 0.36              | < 0.36     | < 0.25     | < 0.25     | < 0.25     | < 0.12     | < 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     | < 0.18     | < 0.25     | < 0.15      | < 0.075    | < 0.15   |        |
| 2-Butanone                 | 800                        | 4000                    | < 6.5      | < 6.5               | < 6.5      | < 2.1      | < 2.1      | < 2.1      | < 4.6      | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 6.0       | < 3        | < 6.0    |        |
| 2-Hexanone                 | NE                         | NE                      | < 6.3      | < 6.3               | < 6.3      | < 1.6      | < 1.6      | < 1.6      | < 0.81     | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 1.9       | < 0.95     | < 1.9    |        |
| 4-Methyl-2-pentanone       | 50                         | 500                     | < 6.0      | < 6.0               | < 6.0      | < 2.2      | < 2.2      | < 2.2      | < 0.98     | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 1.5       | < 0.77     | < 1.5    |        |
| Acetone                    | 1800                       | 9000                    | < 8.6      | < 8.6               | < 8.6      | < 2.6 U    | < 1.7      | < 1.7      | < 6.6      | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 6.8       | 3.5 J      | < 6.8    |        |
| Benzene                    | 0.5                        | 5                       | < 0.30     | < 0.30              | < 0.30     | < 0.15     | < 0.15     | < 0.15     | < 0.14     | < 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    | < 0.074    | < 0.15     | < 0.18      | < 0.089    | < 0.18   |        |
| Bromodichloromethane       | 0.06                       | 0.6                     | < 0.42     | < 0.42              | < 0.42     | < 0.37     | < 0.37     | < 0.37     | < 0.19     | < 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     | < 0.17     | < 0.37     | < 0.15      | < 0.077    | < 0.15   |        |
| Bromoform                  | 0.44                       | 4.4                     | < 3.8      | < 3.8               | < 3.8      | < 0.48     | < 0.48     | < 0.48     | < 0.25     | < 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     | < 0.28     | < 0.48     | < 0.18      | < 0.088    | < 0.18   |        |
| Bromomethane               | 1                          | 10                      | < 1.2      | < 1.2               | < 1.2      | < 0.80 UJ  | < 0.80     | < 0.80     | < 2.4      | < 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     | < 0.31     | < 0.80     | < 1.2       | < 0.59     | < 1.2    |        |
| Carbon disulfide           | 200                        | 1000                    | < 1.1      | < 1.1               | < 1.1      | < 0.45     | < 0.45     | < 0.45     | < 0.26     | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 1.1       | < 0.053    | < 0.11   |        |
| Carbon tetrachloride       | 0.5                        | 5                       | < 0.37     | < 0.37              | < 0.37     | < 0.38     | < 0.38     | < 0.38     | < 0.23     | < 0.8      | < 0.8      | <b>1.2</b>    | < 0.28             | <b>1.1</b>    | < 0.26        | <b>1.4</b> | <b>1.1</b> | <b>1.3</b> | <b>1.3</b>    | < 0.26     | <b>0.79 J</b> | < 0.26     | <b>1</b>   | < 0.076    | <b>0.81</b> | < 0.076    |          |        |
| Chloroethane               | 80                         | 400                     | < 1.4      | < 1.4               | < 1.4      | < 0.51 UJ  | < 0.51     | < 0.51     | < 0.64     | < 1        | < 1        | < 0.33        | < 0.33             | < 0.34        | < 0.34        | < 0.34     | < 0.34     | < 0.34     | < 0.34        | < 0.34     | < 0.34        | < 0.34     | < 0.34     | < 0.47     | < 0.50      | < 0.25     | < 0.50   |        |
| Chloroform                 | 0.6                        | 6                       | < 1.2      | < 1.2               | < 1.2      | < 0.37     | < 0.37     | < 0.37     | < 0.36     | < 0.2      | 0.55       | <b>0.84 J</b> | <b>0.88 J</b>      | <b>0.79 J</b> | <b>0.79 J</b> | < 0.2      | < 0.2      | < 0.2      | <b>0.61 J</b> | < 0.20     | < 0.20        | < 0.20     | < 0.20     | < 0.37     | < 0.12      | < 0.062    | < 0.12   |        |
| Chloromethane              | 3                          | 30                      | < 1.6      | < 1.6               | < 1.6      | < 0.32     | < 0.32     | < 0.32     | < 0.23     | < 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     | < 0.18     | < 0.32     | 1.2 BJ      | 1.3 J      | < 0.76 U |        |
| cis-1,2-Dichloroethene     | 7                          | 70                      | < 0.47     | < 0.47              | < 0.47     | < 0.41     | < 0.41     | < 0.41     | < 0.32     | 1.4        | <b>10</b>  | <b>13</b>     | <b>14</b>          | 4.2           | 3.8           | 2.7        | 2.0        | 2.9        | 2.9           | < 0.12     | < 0.12        | < 0.12     | < 0.12     | < 0.12     | < 0.41      | < 0.22     | < 0.11   | < 0.22 |
| Di-isopropyl ether         | NE                         | NE                      | < 1.1      | < 1.1               | < 1.1      | < 0.28     | < 0.28     | < 0.28     | < 1.1      | < 0.5      | < 0.5      | < 0.27        | < 0.27             | < 0.15        | < 0.15        | < 0.15     | < 0.15     | < 0.15     | < 0.15        | < 0.15     | < 0.15        | < 0.15     | < 0.15     | < 0.28     | < 0.30      | < 0.15     | < 0.30   |        |
| Dichlorodifluoromethane    | 200                        | 1000                    | < 0.46     | < 0.46              | < 0.46     | < 0.67     | < 0.67     | < 0.67     | < 0.30     | < 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     | < 0.20     | < 0.54     | < 0.22      | < 0.11     | < 0.22   |        |
| Ethylbenzene               | 140                        | 700                     | < 0.33     | < 0.33              | < 0.33     | < 0.18     | < 0.18     | < 0.18     | < 0.14     | < 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     | < 0.13     | < 0.18     | < 0.11      | < 0.054    | < 0.11   |        |
| Isopropylbenzene           | NE                         | NE                      | < 1.0      | < 1.0               | < 1.0      | < 0.39     | < 0.39 J-  | < 0.39     | < 0.16     | < 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     | < 0.14     | < 0.39     | < 0.16      | < 0.081    | < 0.16   |        |
| m,p-Xylene                 | 400                        | 2000                    | < 0.70     | < 0.70              | < 0.70     | < 0.18     | < 0.18     | < 0.18     | < 0.36     | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 0.11      | 0.06 BJ    | < 0.11   |        |
| Methyl tert-butyl ether    | 12                         | 60                      | < 1.1      | < 1.1               | < 1.1      | < 0.39     | < 0.39     | < 0.39     | < 0.25     | < 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     | < 0.24     | < 0.39     | < 0.28      | < 0.14     | < 0.28   |        |
| Methylene chloride         | 0.5                        | 5                       | < 0.32     | < 0.32              | < 0.32     | < 1.6      | < 1.6      | < 1.6      | < 0.94     | < 1        | < 1        | < 0.63        | < 0.63             | < 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     | < 0.38 U |        |
| Naphthalene                | 10                         | 100                     | < 1.1      | < 1.1               | < 1.1      | < 0.34 UJ  | < 0.34     | < 0.34     | < 0.99     | 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     | < 0.16     | < 0.34     | < 0.18      | < 0.088    | < 0.18   |        |
| n-Butylbenzene             | NE                         | NE                      | < 0.86     | < 0.86              | < 0.86     | < 0.39     | < 0.39     | < 0.39     | < 0.23     | < 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     | < 0.13     | < 0.39     | < 0.28      | < 0.14     | < 0.28   |        |
| n-Hexane                   | 120                        | 600                     | < 1.5      | < 1.5               | < 1.5      | < 0.49     | < 0.49 UJ  | < 0.49     | < 0.16     | NA         | NA         | NA            | NA                 | NA            | NA            | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA         | NA         | < 0.42      | < 0.21     | < 0.42   |        |
| n-Propylbenzene            | NE                         | NE                      | < 0.35     | < 0.35              | < 0.35     | < 0.41     | < 0.41     | < 0        |            |            |            |               |                    |               |               |            |            |            |               |            |               |            |            |            |             |            |          |        |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                   | SCREEN INTERVAL (feet bgs) | PREVENTIVE | ENFORCEMENT | MW-5S      | MW-5S      | MW-5S      | MW-5S      | MW-5S <sup>3</sup> | MW-5S      | MW-5S      | MW-5S <sup>3</sup> | MW-5S      | MW-5S      | MW-5S      | MW-5S      | MW-5S <sup>3</sup> | MW-5S      | MW-5D      | MW-5D <sup>3</sup> | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D      |
|---------------------------|----------------------------|------------|-------------|------------|------------|------------|------------|--------------------|------------|------------|--------------------|------------|------------|------------|------------|--------------------|------------|------------|--------------------|------------|------------|------------|------------|------------|------------|------------|
| SAMPLE DATE               | ACTION LIMIT               | STANDARD   | 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 | 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 |
|                           |                            |            | 04/10/2019  | 10/10/2019 | 7/17/2020  | 10/16/2020 | 10/16/2020 | 04/14/2021         | 10/14/2021 | 10/14/2021 | 04/21/2022         | 10/20/2022 | 4/13/2023  | 10/11/2023 | 04/23/2024 | 04/23/2024         | 10/24/2024 | 04/07/2010 | 04/07/2010         | 04/12/2012 | 11/28/2012 | 01/17/2013 | 02/13/2013 | 04/19/2013 | 07/18/2013 |            |
| VOCs                      |                            |            |             |            |            |            |            |                    |            |            |                    |            |            |            |            |                    |            |            |                    |            |            |            |            |            |            |            |
| 1,1,1,2-Tetrachloroethane | 7                          | 70         | NA          | < 0.27     | NA         | < 0.27     | < 0.27     | NA                 | < 0.36     | < 0.36     | NA                 | < 0.36     | NA         | < 0.46     | NA         | NA                 | < 0.16     | < 5        | < 5                | < 0.31     | < 1.3      | < 0.5      | < 0.5      | < 0.5      | < 1.3      |            |
| 1,1,1-Trichloroethane     | 40                         | 200        | NA          | < 0.24     | NA         | < 0.24     | < 0.24     | NA                 | < 0.30     | < 0.30     | NA                 | < 0.30     | NA         | < 0.38     | NA         | NA                 | < 0.39     | < 10       | < 10               | < 0.26     | < 1        | < 0.4      | < 0.4      | < 0.4      | < 1        |            |
| 1,1,2-Trichloroethane     | 0.5                        | 5          | NA          | < 0.55     | NA         | < 0.55     | < 0.55     | NA                 | < 0.34     | < 0.34     | NA                 | < 0.34     | NA         | < 0.35     | NA         | NA                 | < 0.27     | < 5        | < 5                | < 0.3      | < 1.4      | < 0.56     | < 0.56     | < 0.56     | < 1.4      |            |
| 1,1-Dichloroethene        | 0.7                        | 7          | NA          | < 0.24     | NA         | < 0.24     | < 0.24     | NA                 | < 0.58     | < 0.58     | NA                 | < 0.58     | NA         | < 0.39     | NA         | NA                 | < 0.23     | < 10       | < 10               | < 0.29     | < 1.6      | < 0.62     | < 0.62     | < 0.62     | < 1.6      |            |
| 1,2,4-Trimethylbenzene    | 96                         | 480        | NA          | < 0.84     | NA         | < 0.84     | < 0.84     | NA                 | < 0.45     | < 0.45     | NA                 | < 0.45     | NA         | < 0.36     | NA         | NA                 | < 0.15     | < 4        | < 4                | < 0.22     | < 0.7      | < 0.28     | < 0.28     | < 0.28     | < 0.7      |            |
| 1,2-Dibromoethane         | 0.005                      | 0.05       | NA          | < 0.83     | NA         | < 0.83     | < 0.83     | NA                 | < 0.31     | < 0.31     | NA                 | < 0.31     | NA         | < 0.39     | NA         | NA                 | < 0.18     | < 4        | < 4                | < 0.45     | < 1.8      | < 0.72     | < 0.72     | < 0.72     | < 1.8      |            |
| 1,2-Dichlorobenzene       | 60                         | 600        | NA          | < 0.71     | NA         | < 0.71     | < 0.71     | NA                 | < 0.33     | < 0.33     | NA                 | < 0.33     | NA         | < 0.33     | NA         | NA                 | < 0.14     | < 4        | < 4                | < 0.21     | < 1.4      | < 0.54     | < 0.54     | < 0.54     | < 1.4      |            |
| 1,2-Dichloroethane        | 0.5                        | 5          | NA          | < 0.28     | NA         | < 0.28     | < 0.28     | NA                 | < 0.29     | < 0.29     | NA                 | < 0.29     | NA         | < 0.39     | NA         | NA                 | < 0.28     | < 10       | < 10               | < 0.28     | < 1.4      | < 0.56     | < 0.56     | < 0.56     | < 1.4      |            |
| 1,2-Dichloropropane       | 0.5                        | 5          | NA          | < 0.28     | NA         | < 0.28     | < 0.28     | NA                 | < 0.45     | < 0.45     | NA                 | < 0.45     | NA         | < 0.43     | NA         | NA                 | < 0.24     | < 10       | < 10               | < 0.36     | < 1        | < 0.4      | < 0.4      | < 0.4      | < 1        |            |
| 1,2,3-Trichlorobenzene    | NE                         | NE         | NA          | < 0.63     | NA         | < 2.2      | < 2.2      | NA                 | < 1.0      | < 1.0      | NA                 | < 1.0      | NA         | < 0.46     | NA         | NA                 | < 1.2      | < 5        | < 5                | < 0.36     | < 1.2      | < 0.48     | < 0.48     | < 0.48     | < 1.2      |            |
| 1,2,4-Trichlorobenzene    | 14                         | 70         | NA          | < 0.95     | NA         | < 0.95     | < 0.95     | NA                 | < 0.95     | < 0.95     | NA                 | < 0.95     | NA         | < 0.34     | NA         | NA                 | < 0.58     | < 5        | < 5                | < 0.22     | < 1.6      | < 0.62     | < 0.62     | < 0.62     | < 1.6      |            |
| 1,3,5-Trimethylbenzene    | 96                         | 480        | NA          | < 0.87     | NA         | < 0.87     | < 0.87     | NA                 | < 0.36     | < 0.36     | NA                 | < 0.36     | NA         | < 0.25     | NA         | NA                 | < 0.12     | < 4        | < 4                | < 0.23     | < 0.9      | < 0.36     | < 0.36     | < 0.36     | < 0.9      |            |
| 2-Butanone                | 800                        | 4000       | NA          | < 2.9      | NA         | < 2.9      | < 2.9      | NA                 | < 6.5      | < 6.5      | NA                 | < 6.5      | NA         | < 2.1      | NA         | NA                 | < 4.6      | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| 2-Hexanone                | NE                         | NE         | NA          | < 2.5      | NA         | < 5.2      | < 5.2      | NA                 | < 6.3      | < 6.3      | NA                 | < 6.3      | NA         | < 1.6      | NA         | NA                 | < 0.81     | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| 4-Methyl-2-pentanone      | 50                         | 500        | NA          | < 1.5      | NA         | < 4.6      | < 4.6      | NA                 | < 6.0      | < 6.0      | NA                 | < 6.0      | NA         | < 2.2      | NA         | NA                 | < 0.98     | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| Acetone                   | 1800                       | 9000       | NA          | < 2.7      | NA         | < 2.7      | < 2.7      | NA                 | < 8.6      | < 8.6      | NA                 | < 8.6      | NA         | < 1.7      | NA         | NA                 | < 6.6      | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| Benzene                   | 0.5                        | 5          | NA          | < 0.25     | NA         | < 0.25     | < 0.25     | NA                 | < 0.30     | < 0.30     | NA                 | < 0.30     | NA         | < 0.15     | NA         | NA                 | < 0.14     | < 4        | < 4                | 0.29 J     | 1.1 J      | 1.2        | 1          | 0.88 J     | 1.5 J      |            |
| Bromodichloromethane      | 0.06                       | 0.6        | NA          | < 0.36     | NA         | < 0.36     | < 0.36     | NA                 | < 0.42     | < 0.42     | NA                 | < 0.42     | NA         | < 0.37     | NA         | NA                 | < 0.19     | < 4        | < 4                | < 0.23     | < 0.85     | < 0.34     | < 0.34     | < 0.85     |            |            |
| Bromoform                 | 0.44                       | 4.4        | NA          | < 4.0      | NA         | < 4.0      | < 4.0      | NA                 | < 3.8      | < 3.8      | NA                 | < 3.8      | NA         | < 0.48     | NA         | NA                 | < 0.25     | < 4        | < 4                | < 0.45     | < 1.4      | < 0.56     | < 0.56     | < 0.56     | < 1.4      |            |
| Bromomethane              | 1                          | 10         | NA          | < 0.97     | NA         | < 0.97     | < 0.97     | NA                 | < 1.2      | < 1.2      | NA                 | < 1.2      | NA         | < 0.80     | NA         | NA                 | < 2.4      | < 10       | < 10               | < 0.49     | < 1.6      | < 0.62     | < 0.62 *   | < 0.62     | < 1.6      |            |
| Carbon disulfide          | 200                        | 1000       | NA          | < 0.37     | NA         | < 0.45     | < 0.45     | NA                 | < 1.1      | < 1.1      | NA                 | < 1.1      | NA         | < 0.45     | NA         | NA                 | < 0.26     | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| Carbon tetrachloride      | 0.5                        | 5          | NA          | 0.91 J     | NA         | < 1.1      | < 1.1      | NA                 | 0.78 J     | 0.77 J     | NA                 | 0.98 J     | NA         | 1          | NA         | NA                 | 1.1        | < 16       | < 16               | < 0.28     | < 1.3      | < 0.52     | < 0.52     | < 0.52     | < 1.3      |            |
| Chloroethane              | 80                         | 400        | NA          | < 1.3      | NA         | < 1.3      | < 1.3      | NA                 | < 1.4      | < 1.4      | NA                 | < 1.4      | NA         | < 0.51     | NA         | NA                 | < 0.64     | < 20       | < 20               | < 0.33     | < 1.7      | < 0.68     | < 0.68     | < 1.7      |            |            |
| Chloroform                | 0.6                        | 6          | NA          | < 1.3      | NA         | < 1.3      | < 1.3      | NA                 | < 1.2      | < 1.2      | NA                 | < 1.2      | NA         | 0.79 J     | NA         | NA                 | 1.3        | < 4        | < 4                | < 0.25     | < 1        | 1.0 J      | < 0.4      | < 0.4      | < 1        |            |
| Chloromethane             | 3                          | 30         | NA          | < 2.2      | NA         | < 2.2      | < 2.2      | NA                 | < 1.6      | < 1.6      | NA                 | < 1.6      | NA         | < 0.32     | NA         | NA                 | < 0.23     | < 6        | < 6                | < 0.24     | < 0.9      | < 0.36     | < 0.36     | < 0.36     | < 0.9      |            |
| cis-1,2-Dichloroethene    | 7                          | 70         | NA          | < 0.27     | NA         | < 0.27     | < 0.27     | NA                 | < 0.47     | < 0.47     | NA                 | < 0.47     | NA         | < 0.41     | NA         | NA                 | 0.79 J     | 48         | 48                 | 26         | 93         | 110        | 94         | 100        | 120        |            |
| Di-isopropyl ether        | NE                         | NE         | NA          | < 1.9      | NA         | < 1.9      | < 1.9      | NA                 | < 1.1      | < 1.1      | NA                 | < 1.1      | NA         | < 0.28     | NA         | NA                 | < 1.1      | < 10       | < 10               | < 0.27     | < 0.75     | < 0.3      | < 0.3      | < 0.3      | < 0.75     |            |
| Dichlorodifluoromethane   | 200                        | 1000       | NA          | < 0.50     | NA         | < 0.50     | < 0.50     | NA                 | < 0.46     | < 0.46     | NA                 | < 0.46     | NA         | < 0.67     | NA         | NA                 | < 0.30     | < 10       | < 10               | < 0.26     | < 1        | < 0.4      | < 0.4      | < 0.4      | < 1        |            |
| Ethylbenzene              | 140                        | 700        | NA          | < 0.22     | NA         | < 0.32     | < 0.32     | NA                 | < 0.33     | < 0.33     | NA                 | < 0.33     | NA         | < 0.18     | NA         | NA                 | < 0.14     | < 10       | < 10               | < 0.14     | < 0.65     | < 0.26     | < 0.26     | < 0.26     | < 0.65     |            |
| Isopropylbenzene          | NE                         | NE         | NA          | < 0.39     | NA         | < 1.7      | < 1.7      | NA                 | < 1.0      | < 1.0      | NA                 | < 1.0      | NA         | < 0.39 J-  | NA         | NA                 | < 0.16     | < 4        | < 4                | < 0.21     | < 0.7      | < 0.28     | < 0.28     | < 0.28     | < 0.7      |            |
| m,p-Xylene                | 400                        | 2000       | NA          | < 0.47     | NA         | < 0.47     | < 0.47     | NA                 | < 0.70     | < 0.70     | NA                 | < 0.70     | NA         | < 0.18     | NA         | NA                 | < 0.36     | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| Methyl tert-butyl ether   | 12                         | 60         | NA          | < 1.2      | NA         | < 1.2      | < 1.2      | NA                 | < 1.1      | < 1.1      | NA                 | < 1.1      | NA         | < 0.39     | NA         | NA                 | < 0.25     | < 10       | < 10               | < 0.28     | < 1.2      | < 0.48     | < 0.48     | < 0.48     | < 1.2      |            |
| Methylene chloride        | 0.5                        | 5          | NA          | < 0.58     | NA         | < 0.58     | < 0.58     | NA                 | < 0.32     | < 0.32     | NA                 | < 0.32     | NA         | < 1.6      | NA         | NA                 | < 0.94     | < 20       | < 20               | < 0.63     | < 3.4      | < 1.4      | < 1.4      | < 1.4      | < 3.4      |            |
| Naphthalene               | 10                         | 100        | NA          | < 1.2      | NA         | < 1.2      | < 1.2      | NA                 | < 1.1      | < 1.1      | NA                 | < 1.1      | NA         | < 0.34     | NA         | NA                 | < 0.99     | < 5        | < 5                | < 0.24     | < 0.8      | < 0.32     | < 0.32     | < 0.32     | < 0.8      |            |
| n-Butylbenzene            | NE                         | NE         | NA          | < 0.71     | NA         | < 0.71     | < 0.71     | NA                 | < 0.86     | < 0.86     | NA                 | < 0.86     | NA         | < 0.39     | NA         | NA                 | < 0.23     | < 4        | < 4                | < 0.21     | < 0.65     | < 0.26     | < 0.26     | < 0.26     | < 0.65     |            |
| n-Hexane                  | 120                        | 600        | NA          | < 1.7      | NA         | < 1.7      | < 1.7      | NA                 | < 1.5      | < 1.5      | NA                 | < 1.5      | NA         | < 0.49 UJ  | NA         | NA                 | < 0.16     | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| n-Propylbenzene           | NE                         | NE         | NA          | < 0.81     | NA         | < 0.81     | < 0.81     | NA                 | < 0.35     | < 0.35     | NA                 | < 0.35     | NA         | < 0.41     | NA         | NA                 | < 0.18     | < 10       | < 10               | < 0.19     | < 0.65     | < 0.26     | < 0.26     | < 0.26     | < 0.65     |            |
| o-Xylene                  | 400                        | 2000       | NA          | < 0.26     | NA         | < 0.26     | < 0.26     | NA                 | < 0.35     | < 0.35     | NA                 | < 0.35     | NA         | < 0.22     | NA         | NA                 | < 0.11     | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         |            |
| p-Isopropyltoluene        | NE                         | NE         | NA          | < 0.80     | NA         | < 0.80     | < 0.80     | NA                 | < 1.0      | < 1.0      | NA                 | < 1.0      | NA         | < 0.36     | NA         | NA                 | < 0.19     | < 4        | < 4                | < 0.24     | < 0.85     | < 0.34     | < 0.34     | < 0.34     | < 0.85     |            |
| sec-Butylbenzene          | NE                         | NE         | NA          | < 0.85     | NA         | < 0.85     | < 0.85     | NA                 | < 0.42     | < 0.42     | NA                 | < 0.42     | NA         | < 0.40     | NA         | NA                 | < 0.20     | < 5        | < 5                | < 0.19     | < 0.75     | < 0.3      | < 0.3      | < 0.3      | < 0.75     |            |
| Styrene                   | 10                         | 100        | NA          | < 0.47     | NA         | < 3.0      | < 3.0      | NA                 | < 0.36     | < 0.36     | NA                 | < 0.36     | NA         | < 0.39     | NA         | NA                 | < 0.13     | < 10       | < 10               | < 0.26     | < 0.5      | < 0.2      | < 0.2      | < 0.2      | < 0.5      |            |
| tert-Butylbenzene         | NE                         | NE         | NA          | < 0.30     | NA         | < 0.30     | < 0.30     | NA                 | < 0.59     | < 0.59     | NA                 | < 0.59     | NA         | < 0.40     | NA         | NA                 | < 0.18     | < 4        | < 4                | < 0.24     | < 0.7      | < 0.28     | < 0.28     | < 0.28     | < 0.7      |            |
| Tetrachloroethene         | 0.5                        | 5          | NA          | 49.2       | NA         | 39.6       | 45.9       | NA                 | 56.1 J+    | 53.2       | NA                 | 66.2       | NA         | 37         | NA         | NA                 | 33         | 1100       | 890                | 400        | 2000       | 1800       | 1700       | 1200       | 2000       |            |
| Toluene                   | 160                        | 800        | NA          | < 0.17     | NA         | < 0.27     | < 0.27     | NA                 | < 0.29     | < 0.29     | NA                 | < 0.29     | NA         | < 0.15     | NA         | NA                 | < 0.32     | < 10       | < 10               | 0.30 J     | < 0.55     | < 0.22     | < 0.22     | < 0.22     | < 0.55     |            |
| trans-1,2-Dichloroethene  | 20                         | 100        | NA          | < 1.1      | NA         | < 0.46     | < 0.46     | NA                 | < 0.53     | < 0.53     | NA                 | < 0.53     | NA         | < 0.35     | NA         | NA                 | < 0.37     | < 10       | < 10               | 1.3        | 3.9 J      | 3.9        | 3.1        | 3.4        | 3.8 J      |            |
| Trichloroethene           | 0.5                        | 5          | NA          | < 0.26     | NA         | < 0.26     | < 0.26     | NA                 | < 0.32     | < 0.32     | NA                 | < 0.32     | NA         | < 0.16     | NA         | NA                 | < 0.30     | 100        | 97                 | 48         | 190        | 180        | 180        | 170        | 160        |            |
| Trichlorofluoromethane    | 698                        | 3490       | NA          | < 0.21     | NA         |            |            |                    |            |            |                    |            |            |            |            |                    |            |            |                    |            |            |            |            |            |            |            |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D      | MW-5D <sup>1</sup> | MW-5D      | MW-5D      | MW-5D <sup>1</sup> | MW-5D      | MW-5D      | 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 |            |       |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 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 | 10/16/2020 | 04/14/2021 | 10/15/2021 | 04/21/2022 |       |
| VOCs                       |              |             |            |            |            |            |            |            |            |                    |            |            |                    |            |            |            |            |            |            |            |            |            |            |            |       |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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     | < 0.27     | < 3.6      | < 3.6      | < 1.8      |       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 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     | < 0.24     | < 3.0      | < 3.0      | < 1.5      |       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 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     | < 0.55     | < 3.4      | < 3.4      | < 1.7      |       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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     | < 0.24     | < 5.8      | < 5.8      | < 2.9      |       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 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     | < 0.84     | < 4.5      | < 4.5      | < 2.2      |       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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     | < 0.83     | < 3.1      | < 3.1      | < 1.5      |       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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     | < 0.71     | < 3.3      | < 3.3      | < 1.6      |       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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     | < 0.28     | < 2.9      | < 2.9      | < 1.5      |       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 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     | < 0.28     | < 4.5      | < 4.5      | < 2.2      |       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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     | < 2.2      | < 10.2     | < 10.2     | < 5.1      |       |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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     | < 0.95     | < 9.5      | < 9.5      | < 4.8      |       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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     | < 0.87     | < 3.6      | < 3.6      | < 1.8      |       |
| 2-Butanone                 | 800          | 4000        | 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      | < 2.9      | < 65.2     | < 65.2     | < 32.6     |       |
| 2-Hexanone                 | NE           | NE          | 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      | < 5.2      | < 62.8     | NA         | < 31.4     |       |
| 4-Methyl-2-pentanone       | 50           | 500         | 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      | < 4.6      | < 59.5     | < 59.5     | < 29.8     |       |
| Acetone                    | 1800         | 9000        | 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      | < 2.7      | < 86.4     | < 86.4     | < 43.2     |       |
| Benzene                    | 0.5          | 5           | 2.8        | 0.30 J     | 0.22 J     | < 0.074    | < 0.15     | < 0.089    | < 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     | < 0.25     | < 3.0      | < 3.0      | < 1.5 |
| Bromodichloromethane       | 0.06         | 0.6         | < 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     | < 0.36     | < 4.2      | < 4.2      | < 2.1      |       |
| Bromoform                  | 0.44         | 4.4         | < 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      | < 4.0      | < 38.0     | < 38.0     | < 19.0     |       |
| Bromomethane               | 1            | 10          | < 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     | < 0.97     | < 11.9     | < 11.9     | < 6.0      |       |
| Carbon disulfide           | 200          | 1000        | 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     | < 0.45     | < 11.0     | < 11.0     | < 5.5      |       |
| Carbon tetrachloride       | 0.5          | 5           | < 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     | < 1.1      | < 3.7      | < 3.7      | < 1.8      |       |
| Chloroethane               | 80           | 400         | < 1.7      | < 0.34     | < 0.34     | < 0.34     | < 0.47     | < 0.25     | < 0.25     | < 0.25             | < 0.25     | < 0.25     | < 25               | < 25       | < 1.3      | < 0.5      | < 0.25     | < 1.3      | < 26.8     | < 1.3      | < 1.3      | < 13.8     | < 13.8     | < 6.9      |       |
| Chloroform                 | 0.6          | 6           | < 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      | < 1.3      | < 11.8     | < 11.8     | < 5.9      |       |
| Chloromethane              | 3            | 30          | < 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      | < 2.2      | < 16.4     | < 16.4     | < 8.2      |       |
| cis-1,2-Dichloroethene     | 7            | 70          | 140        | 77         | 100        | 190        | 10         | 0.94       | 11         | 13                 | 3.0        | 210        | 270                | 230        | 13         | 4          | 5.8        | 12         | 149        | 85.4       | 11.5       | 11.5       | 10.1       | 5.0        |       |
| Di-isopropyl ether         | NE           | NE          | < 0.75     | < 0.15     | < 0.15     | < 0.15     | < 0.28     | < 0.15     | < 0.15     | < 0.15             | < 0.15     | < 0.15     | < 15               | < 15       | < 0.75     | < 0.3      | < 0.15     | < 0.75     | < 37.8     | < 1.9      | < 1.9      | < 11.0     | < 11.0     | < 5.5      |       |
| Dichlorodifluoromethane    | 200          | 1000        | < 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     | < 0.50     | < 4.6      | < 4.6      | < 2.3      |       |
| Ethylbenzene               | 140          | 700         | < 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     | < 0.32     | < 3.3      | < 3.3      | < 1.6      |       |
| Isopropylbenzene           | NE           | NE          | < 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     | < 1.7      | < 10.0     | < 10.0     | < 5.0      |       |
| m,p-Xylene                 | 400          | 2000        | 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     | < 0.47     | < 7.0      | < 7.0      | < 3.5      |       |
| Methyl tert-butyl ether    | 12           | 60          | < 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      | < 1.2      | < 11.3     | < 11.3     | < 5.6      |       |
| Methylene chloride         | 0.5          | 5           | < 3.4      | < 0.68     | < 0.68     | < 0.68     | < 1.6      | 0.18 J     | < 0.14     | < 0.14             | < 0.14     | < 0.14     | < 14               | < 14       | 18 BJ      | 1.3 J      | < 0.28     | 0.17 J     | < 0.70     | < 11.6     | < 0.58     | < 0.58     | < 3.2      | < 3.2      | < 1.6 |
| Naphthalene                | 10           | 100         | < 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      | < 1.2      | < 11.3     | < 11.3     | < 5.6      |       |
| n-Butylbenzene             | NE           | NE          | < 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     | < 0.71     | < 8.6      | < 8.6      | < 4.3      |       |
| n-Hexane                   | 120          | 600         | 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      | < 1.7      | < 14.6     | < 14.6     | < 7.3      |       |
| n-Propylbenzene            | NE           | NE          | < 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     | < 0.81     | < 3.5      | < 3.5      | < 1.7      |       |
| o-Xylene                   | 400          | 2000        | 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     | < 0.26     | < 3.5      | < 3.5      | < 1.7      |       |
| p-Isopropyltoluene         | NE           | NE          | < 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     | < 0.80     | < 10.4     | < 10.4     | < 5.2      |       |
| sec-Butylbenzene           | NE           | NE          | < 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     | < 0.85     | < 4.2      | < 4.2      | < 2.1      |       |
| Styrene                    | 10           | 100         | < 0.5      | < 0.10     | < 0.       |            |            |            |            |                    |            |            |                    |            |            |            |            |            |            |            |            |            |            |            |       |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-5D      | MW-5D         | MW-5D      | MW-5D <sup>1</sup> | MW-5D      | MW-5D      | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2           | MW-5D2 <sup>3</sup> | MW-5D2           |              |
|----------------------------|--------------|-------------|------------|---------------|------------|--------------------|------------|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|------------------|--------------|
| SCREEN INTERVAL (feet bgs) | PREVENTIVE   | ENFORCEMENT | 75 - 80 ft | 75 - 80 ft    | 75 - 80 ft | 75 - 80 ft         | 75 - 80 ft | 75 - 80 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    | 10/20/2022 | 4/13/2023     | 10/11/2023 | 10/11/2023         | 04/23/2024 | 10/24/2024 | 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   |
| <b>VOCs</b>                |              |             |            |               |            |                    |            |            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.89     | < 0.46        | < 0.46     | < 0.46             | < 0.46     | < 0.31     | 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        |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.76     | < 0.38        | < 0.38     | < 0.38             | < 0.38     | < 0.78     | 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        |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.86     | < 0.35        | < 0.35     | < 0.35             | < 0.35     | < 0.54     | 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        |
| 1,1-Dichloroethene         | 0.7          | 7           | < 1.5      | <b>0.80 J</b> | < 0.39     | 0.44 J             | < 0.39     | < 0.46     | 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        |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 1.1      | < 0.36        | < 0.36     | < 0.36             | < 0.36     | < 0.30     | 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        |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.77     | < 0.39        | < 0.39     | < 0.39             | < 0.39     | < 0.37     | 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        |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.81     | < 0.33        | < 0.33     | < 0.33             | < 0.33     | < 0.29     | 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        |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.73     | < 0.39        | < 0.39     | < 0.39             | < 0.39     | < 0.56     | 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        |
| 1,2-Dichloropropane        | 0.5          | 5           | < 1.1      | < 0.43        | < 0.43     | < 0.43             | < 0.43     | < 0.49     | 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        |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 2.5      | < 0.46 UJ     | < 0.46     | < 0.46             | < 0.46     | < 2.4      | 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       |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 2.4      | < 0.34 UJ     | < 0.34     | < 0.34             | < 0.34     | < 1.2      | 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        |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.89     | < 0.25        | < 0.25     | < 0.25             | < 0.25     | < 0.24     | 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        |
| 2-Butanone                 | 800          | 4000        | < 16.3     | < 2.1         | < 2.1      | < 2.1              | < 2.1      | < 9.2      | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 30                | < 30             | < 120        |
| 2-Hexanone                 | NE           | NE          | < 15.7     | < 1.6         | < 1.6      | < 1.6              | < 1.6      | < 1.6      | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 9.5               | < 9.5            | < 38         |
| 4-Methyl-2-pentanone       | 50           | 500         | < 14.9     | < 2.2         | < 2.2      | < 2.2              | < 2.2      | < 2.0      | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 7.7               | < 7.7            | < 31         |
| Acetone                    | 1800         | 9000        | < 21.6     | < 2.7 U       | < 1.7      | < 1.7              | < 1.7      | < 13       | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 34                | < 34             | < 140        |
| Benzene                    | 0.5          | 5           | < 0.74     | < 0.15        | < 0.15     | < 0.15             | < 0.15     | < 0.29     | 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        |
| Bromodichloromethane       | 0.06         | 0.6         | < 1.0      | < 0.37        | < 0.37     | < 0.37             | < 0.37     | < 0.37     | 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        |
| Bromoform                  | 0.44         | 4.4         | < 9.5      | < 0.48        | < 0.48     | < 0.48             | < 0.48     | < 0.49     | 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        |
| Bromomethane               | 1            | 10          | < 3.0      | < 0.80 UJ     | < 0.80     | < 0.80             | < 0.80     | < 4.7      | NA               | < 0.31           | < 0.31 *         | < 0.31           | < 0.62           | < 0.31           | < 0.62           | < 0.31           | < 0.62           | < 1.6            | < 5.9               | < 5.9            | < 24         |
| Carbon disulfide           | 200          | 1000        | < 2.8      | < 0.45        | < 0.45     | < 0.45             | < 0.45     | < 0.51     | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 0.53              | < 0.53           | < 2.1        |
| Carbon tetrachloride       | 0.5          | 5           | < 0.92     | 0.40 J        | < 0.38     | < 0.38             | < 0.38     | < 0.45     | 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        |
| Chloroethane               | 80           | 400         | < 3.4      | < 0.51 UJ     | < 0.51     | < 0.51             | < 0.51     | < 1.3      | NA               | < 0.34           | < 0.34           | < 0.34           | < 0.68           | < 0.34           | < 0.68           | < 0.34           | < 0.68           | < 0.94           | < 2.5               | < 2.5            | < 10         |
| Chloroform                 | 0.6          | 6           | < 3.0      | < 0.37        | < 0.37     | < 0.37             | 0.52 J     | < 0.72     | 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        |
| Chloromethane              | 3            | 30          | < 4.1      | < 0.32        | < 0.32     | < 0.32             | < 0.32     | < 0.45     | 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        |
| cis-1,2-Dichloroethene     | 7            | 70          | 2.9        | 4.7           | 3.0        | 3.4                | 2.3        | 1.9 J      | NA               | 6.6              | <b>9.2</b>       | 4.7              | 3.6              | 1.5              | < 0.24           | 0.79 J           | 2.1              | 2.9              | 1.4 J               | 1.6 J            | < 4.4        |
| Di-isopropyl ether         | NE           | NE          | < 2.8      | < 0.28        | < 0.28     | < 0.28             | < 0.28     | < 2.2      | NA               | < 0.15           | < 0.15           | < 0.15           | < 0.3            | < 0.15           | < 0.30           | < 0.15           | < 0.30           | < 0.55           | < 1.5               | < 1.5            | < 6.0        |
| Dichlorodifluoromethane    | 200          | 1000        | < 1.1      | < 0.67        | < 0.67     | < 0.67             | < 0.67     | < 0.60     | 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        |
| Ethylbenzene               | 140          | 700         | < 0.81     | < 0.18        | < 0.18     | < 0.18             | < 0.18     | < 0.29     | 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        |
| Isopropylbenzene           | NE           | NE          | < 2.5      | < 0.39        | < 0.39 J-  | < 0.39 J-          | < 0.39     | < 0.31     | 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        |
| m,p-Xylene                 | 400          | 2000        | < 1.8      | < 0.18        | < 0.18     | < 0.18             | < 0.18     | < 0.71     | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 0.57              | < 0.57           | < 2.3        |
| Methyl tert-butyl ether    | 12           | 60          | < 2.8      | < 0.39        | < 0.39     | < 0.39             | < 0.39     | < 0.50     | 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        |
| Methylene chloride         | 0.5          | 5           | < 0.80     | < 1.6         | < 1.6      | < 2.3 U            | < 1.6      | < 1.9      | NA               | < 0.68           | < 0.68           | < 0.68           | < 1.4            | <b>5.7</b>       | < 1.4            | < 0.68           | < 1.4            | < 3.3            | < 1.4               | < 1.4            | < 5.6        |
| Naphthalene                | 10           | 100         | < 2.8      | < 0.34 UJ     | < 0.34     | < 0.34             | < 0.34     | < 2.0      | NA               | < 0.16           | < 0.16           | < 0.16           | < 0.32           | < 0.16           | < 0.32           | < 0.16           | < 0.32           | < 0.67           | < 0.88              | < 0.88           | <b>12 BJ</b> |
| n-Butylbenzene             | NE           | NE          | < 2.1      | < 0.39        | < 0.39     | < 0.39             | < 0.39     | < 0.47     | 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        |
| n-Hexane                   | 120          | 600         | < 3.7      | < 0.49        | < 0.49 UJ  | < 0.49 UJ          | < 0.49     | < 0.33     | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 2.1               | < 2.1            | < 8.4        |
| n-Propylbenzene            | NE           | NE          | < 0.86     | < 0.41        | < 0.41     | < 0.41             | < 0.41     | < 0.37     | 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        |
| o-Xylene                   | 400          | 2000        | < 0.87     | < 0.22        | < 0.22     | < 0.22             | < 0.22     | < 0.23     | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | NA               | < 0.58              | < 0.58           | < 2.3        |
| p-Isopropyltoluene         | NE           | NE          | < 2.6      | < 0.36        | < 0.36     | < 0.36             | < 0.36     | < 0.37     | 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        |
| sec-Butylbenzene           | NE           | NE          | < 1.1      | < 0.40        | < 0.40     | < 0.40             | < 0.40     | < 0.41     | 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        |
| Styrene                    | 10           | 100         | < 0.89     | < 0.39        | < 0.39     | < 0.39             | < 0.39     | < 0.25     | 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        |
| tert-Butylbenzene          | NE           | NE          | < 1.5      | < 0.40        | < 0.40     | < 0.40             | < 0.40     | < 0.35     | 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        |
| Tetrachloroethene          | 0.5          | 5           | <b>263</b> | <b>340</b>    | <b>290</b> | <b>270</b>         | <b>240</b> | <b>280</b> | NA               | <b>650</b>       | <b>650</b>       | <b>640</b>       | <b>710</b>       | <b>110</b>       | <b>520</b>       | <b>47</b>        | <b>700</b>       | <b>640</b>       | <b>380</b>          | <b>380</b>       | <b>160</b>   |
| Toluene                    | 160          | 800         | < 0.72     | < 0.15        | < 0.15     | < 0.15             | < 0.15     | < 0.64     | 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        |
| trans-1,2-Dichloroethene   | 20           | 100         | < 1.3      | < 0.35        | < 0.35     | < 0.35             | < 0.35     | < 0.74     | 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        |
| Trichloroethene            | 0.5          | 5           | <b>4.5</b> | <b>5.5</b>    | <b>3.8</b> | <b>4</b>           | <b>3.1</b> | <b>3.5</b> | NA               | <b>9.5</b>       | <b>8.4</b>       | <b>7.4</b>       | <b>8.1</b>       | <b>6.1</b>       | <b>7.1</b>       | <b>2.2</b>       | <b>8.2</b>       | <b>9.1</b>       | <b>4.7 J</b>        | <b>5.5</b>       | < 2.5        |
| Trichlorofluoromethane     | 698          | 3490        | < 1.0      | < 0.43        | < 0.43     | < 0.43             | < 0.43     | < 0.40     | NA               | < 0.19           | < 0.19           | < 0.19           | < 0.38           | < 0.19           | < 2.0            | < 1.0            | < 2.0            | < 2.0            | < 5.0               | < 5.0            | < 20         |
| Vinyl chloride             | 0.02         | 0.2         | < 0.44     | < 0.20        | < 0.20     | < 0.20             | < 0.20     | < 0.45     | NA               | < 0              |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |              |

**Appendix E: Historical 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 <sup>3</sup> | 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 |
| SAMPLE DATE                         | ACTION LIMIT | STANDARD    | 07/18/2016       | 10/12/2016       | 1/20/2017        | 04/12/2017       | 10/04/2017       | 04/03/2018       | 10/12/2018       | 04/10/2019       | 10/10/2019          | 10/10/2019       | 10/16/2020       | 04/14/2021       | 10/15/2021       | 04/21/2022       | 10/20/2022       |
| VOCS                                |              |             |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |                  |                  |                  |                  |                  |
| 1,1,1,2-Tetrachloroethane           | 7            | 70          | < 1.1            | < 2.2            | < 2.2            | < 2.2            | < 2.2            | < 0.55           | < 5.5            | < 5.4            | 1.2                 | 1.1              | 1.2              | < 8.9            | < 8.9            | < 8.9            | < 14.2           |
| 1,1,1-Trichloroethane               | 40           | 200         | < 1.0            | < 2.0            | < 2.0            | < 2.0            | < 2              | < 0.50           | < 5.0            | < 4.9            | < 0.24              | < 0.24           | < 0.24           | < 7.6            | < 7.6            | < 7.6            | < 12.1           |
| 1,1,2-Trichloroethane               | 0.5          | 5           | < 1.0            | < 2.0            | < 2.0            | < 2.0            | < 2              | < 0.50           | < 5.0            | < 11.0           | < 0.55              | < 0.55           | < 0.55           | < 8.6            | < 8.6            | < 8.6            | < 13.8           |
| 1,1-Dichloroethene                  | 0.7          | 7           | < 1.4            | < 2.8            | < 2.8            | < 2.8            | < 2.8            | < 0.70           | < 7.0            | < 4.9            | 0.29 J              | < 0.24           | < 0.24           | < 14.6           | < 14.6           | < 14.6           | < 23.3           |
| 1,2,4-Trimethylbenzene              | 96           | 480         | < 0.60           | < 1.2            | < 1.2            | < 1.2            | < 1.2            | < 0.30           | < 3.0            | < 16.8           | < 0.84              | < 0.84           | < 0.84           | < 11.2           | < 11.2           | < 11.2           | < 17.9           |
| 1,2-Dibromoethane                   | 0.005        | 0.05        | < 1.3            | < 2.6            | < 2.6            | < 2.6            | < 2.6            | < 0.65           | < 6.5            | < 16.6           | < 0.83              | < 0.83           | < 0.83           | < 7.7            | < 7.7            | < 7.7            | < 12.4           |
| 1,2-Dichlorobenzene                 | 60           | 600         | < 0.76           | < 1.5            | < 1.5            | < 1.5            | < 1.5            | < 0.38           | < 3.8            | < 14.1           | < 0.71              | < 0.71           | < 0.71           | < 8.1            | < 8.1            | < 8.1            | < 13.0           |
| 1,2-Dichloroethane                  | 0.5          | 5           | < 0.78           | < 1.6            | < 1.6            | < 1.6            | < 1.6            | < 0.39           | < 3.9            | < 5.6            | < 0.28              | < 0.28           | < 0.28           | < 7.3            | < 7.3            | < 7.3            | < 11.7           |
| 1,2-Dichloropropane                 | 0.5          | 5           | < 1.0            | < 2.0            | < 2.0            | < 2.0            | < 2              | < 0.50           | < 5.0            | < 5.7            | < 0.28              | < 0.28           | < 0.28           | < 11.2           | < 11.2           | < 11.2           | < 17.9           |
| 1,2,3-Trichlorobenzene              | NE           | NE          | < 0.45           | < 0.90           | < 0.90           | < 0.90           | < 0.9            | < 0.23           | < 2.3            | < 12.5           | < 0.63              | < 0.63           | < 2.2            | < 25.5           | < 25.5           | < 25.5           | < 40.7           |
| 1,2,4-Trichlorobenzene              | 14           | 70          | < 0.77           | < 1.5            | < 1.5            | < 1.5            | < 1.5            | < 0.39           | < 3.9            | < 19.0           | < 0.95              | < 0.95           | < 0.95           | < 23.8           | < 23.8           | < 23.8           | < 38.0           |
| 1,3,5-Trimethylbenzene              | 96           | 480         | < 0.75           | < 1.5            | < 1.5            | < 1.5            | < 1.5            | < 0.38           | < 3.8            | < 17.5           | < 0.87              | < 0.87           | < 0.87           | < 8.9            | < 8.9            | < 8.9            | < 14.3           |
| 2-Butanone                          | 800          | 4000        | < 3.0            | < 6.0            | < 6.0            | < 6.0            | < 6.0            | < 15             | < 150            | < 58.7           | < 2.9               | < 2.9            | < 2.9            | < 163            | < 163            | < 163            | < 261            |
| 2-Hexanone                          | NE           | NE          | < 9.5            | < 19             | < 19             | < 19             | < 19             | < 4.8            | < 48             | < 49.1           | < 2.5               | < 2.5            | < 2.5            | < 157            | < 157            | < 157            | < 251            |
| 4-Methyl-2-pentanone                | 50           | 500         | < 7.7            | < 15             | < 15             | < 15             | < 15             | < 3.9            | < 39             | < 30.6           | < 1.5               | < 1.5            | < 4.6            | < 149            | < 149            | < 149            | < 238            |
| Acetone                             | 1800         | 9000        | < 3.4            | < 68             | < 68             | < 68             | < 68             | < 17             | < 170            | < 54.8           | < 2.7               | < 2.7            | < 2.7            | < 216            | < 216            | < 216            | < 346            |
| Benzene                             | 0.5          | 5           | < 0.89           | < 1.8            | < 1.8            | < 1.8            | < 1.8            | < 0.45           | < 4.5            | < 4.9            | < 0.25              | < 0.25           | < 0.25           | < 7.4            | < 7.4            | < 7.4            | < 11.8           |
| Bromodichloromethane                | 0.06         | 0.6         | < 0.77           | < 1.5            | < 1.5            | < 1.5            | < 1.5            | < 0.39           | < 3.9            | < 7.3            | < 0.36              | < 0.36           | < 0.36           | < 10.4           | < 10.4           | < 10.4           | < 16.6           |
| Bromoform                           | 0.44         | 4.4         | < 0.88           | < 1.8            | < 1.8            | < 1.8            | < 1.8            | < 0.44           | < 4.4            | < 79.4           | < 4.0               | < 4.0            | < 4.0            | < 95.0           | < 95.0           | < 95.0           | < 152            |
| Bromomethane                        | 1            | 10          | < 5.9            | < 12             | < 12             | < 12             | < 12             | < 3.0            | < 30             | < 19.4           | < 0.97              | < 0.97           | < 0.97           | < 29.8           | < 29.8           | < 29.8           | < 47.7           |
| Carbon disulfide                    | 200          | 1000        | < 0.53           | < 1.1            | < 1.1            | < 1.1            | < 1.1            | < 0.27           | < 2.7            | < 7.5            | < 0.37              | < 0.37           | < 0.45           | < 27.6           | < 27.6           | < 27.6           | < 44.1           |
| Carbon tetrachloride                | 0.5          | 5           | < 0.38           | < 0.76           | < 0.76           | < 0.76           | < 0.76           | < 0.19           | < 1.9            | < 3.3            | < 0.17              | < 0.17           | < 1.1            | < 9.2            | < 9.2            | < 9.2            | < 14.8           |
| Chloroethane                        | 80           | 400         | < 2.5            | < 5.0            | < 5.0            | < 5.0            | < 5              | < 1.3            | < 13             | < 26.8           | < 1.3               | < 1.3            | < 1.3            | < 34.5           | < 34.5           | < 34.5           | < 55.2           |
| Chloroform                          | 0.6          | 6           | < 0.62           | < 1.2            | < 1.2            | <b>2.2 J</b>     | < 1.2            | < 0.31           | < 3.1            | < 25.5           | < 1.3               | < 1.3            | < 1.3            | < 29.6           | < 29.6           | < 29.6           | < 47.3           |
| Chloromethane                       | 3            | 30          | < 1.6            | <b>11 BJ</b>     | <b>5.8 BJ</b>    | < 3.2            | <b>4.2 J+</b>    | < 0.80           | < 15 U           | < 43.8           | < 2.2               | < 2.2            | < 2.2            | < 40.9           | < 40.9           | < 40.9           | < 65.4           |
| cis-1,2-Dichloroethene              | 7            | 70          | 6.1              | < 2.2            | < 2.2            | 2.2 J            | 4.8 J            | < 0.55           | <b>10 J</b>      | <b>15.0 J</b>    | <b>10.9</b>         | <b>11.3</b>      | <b>12.8</b>      | < 11.8           | <b>22.2 J</b>    | < 11.8           | < 18.9           |
| Di-isopropyl ether                  | NE           | NE          | < 1.5            | < 3.0            | < 3.0            | < 3.0            | < 3              | < 0.75           | < 7.5            | < 37.8           | < 1.9               | < 1.9            | < 1.9            | < 27.5           | < 27.5           | < 27.5           | < 44.0           |
| Dichlorodifluoromethane             | 200          | 1000        | < 1.1            | < 2.2            | < 2.2            | < 2.2            | < 2.2            | < 0.55           | < 5.5            | < 10             | < 0.50              | < 0.50           | < 0.50           | < 11.4           | < 11.4           | < 11.4           | < 18.2           |
| Ethylbenzene                        | 140          | 700         | < 0.54           | < 1.1            | < 1.1            | < 1.1            | < 1.1            | < 0.27           | < 2.7            | < 4.4            | < 0.22              | < 0.22           | < 0.32           | < 8.1            | < 8.1            | < 8.1            | < 13.0           |
| Isopropylbenzene                    | NE           | NE          | < 0.81           | < 1.6            | < 1.6            | < 1.6            | < 1.6            | < 0.41           | < 4.1            | < 7.9            | < 0.39              | < 0.39           | < 1.7            | < 25.0           | < 25.0           | < 25.0           | < 40.0           |
| m,p-Xylene                          | 400          | 2000        | < 0.57           | < 1.1            | 1.6 BJ           | < 1.1            | 1.2 BJ           | < 0.29           | < 2.9            | < 9.3            | < 0.47              | < 0.47           | < 0.47           | < 17.5           | < 17.5           | < 17.5           | < 28.0           |
| Methyl tert-butyl ether             | 12           | 60          | < 1.4            | < 2.8            | < 2.8            | < 2.8            | < 2.8            | < 0.70           | < 7.0            | < 24.9           | < 1.2               | < 1.2            | < 1.2            | < 28.2           | < 28.2           | < 28.2           | < 45.2           |
| Methylene chloride                  | 0.5          | 5           | < 1.4            | < 2.8            | <b>3.4 BJ</b>    | < 2.8            | < 2.8            | <b>0.90 J+</b>   | < 7.0            | < 11.6           | < 0.58              | < 0.58           | < 0.58           | < 8.0            | < 8.0            | < 8.0            | < 12.8           |
| Naphthalene                         | 10           | 100         | < 0.88           | < 1.8            | < 1.8            | < 1.8            | < 1.8            | < 0.44           | < 4.4            | < 23.5           | < 1.2               | < 1.2            | < 1.2            | < 28.2           | < 28.2           | < 28.2           | < 45.2           |
| n-Butylbenzene                      | NE           | NE          | < 1.4            | < 2.8            | < 2.8            | < 2.8            | < 2.8            | < 0.70           | < 7.0            | < 14.2           | < 0.71              | < 0.71           | < 0.71           | < 21.4           | < 21.4           | < 21.4           | < 34.3           |
| n-Hexane                            | 120          | 600         | < 2.1            | < 4.2            | < 4.2            | < 4.2            | < 4.2            | < 1.1            | < 11             | < 34.2           | < 1.7               | < 1.7            | < 1.7            | < 36.6           | < 36.6           | < 36.6           | < 58.5           |
| n-Propylbenzene                     | NE           | NE          | < 1.0            | < 2.0            | < 2.0            | < 2.0            | < 2              | < 0.50           | < 5.0            | < 16.2           | < 0.81              | < 0.81           | < 0.81           | < 8.6            | < 8.6            | < 8.6            | < 13.8           |
| o-Xylene                            | 400          | 2000        | < 0.58           | < 1.2            | 1.4 BJ           | < 1.2            | < 1.2            | < 0.29           | < 2.9            | < 5.2            | < 0.26              | < 0.26           | < 0.26           | < 8.7            | < 8.7            | < 8.7            | < 13.9           |
| p-Isopropyltoluene                  | NE           | NE          | < 0.85           | < 1.7            | < 1.7            | < 1.7            | < 1.7            | < 0.43           | < 4.3            | < 16.0           | < 0.80              | < 0.80           | < 0.80           | < 26.1           | < 26.1           | < 26.1           | < 41.8           |
| sec-Butylbenzene                    | NE           | NE          | < 1.3            | < 2.6            | < 2.6            | < 2.6            | < 2.6            | < 0.65           | < 6.5            | < 17.0           | < 0.85              | < 0.85           | < 0.85           | < 10.6           | < 10.6           | < 10.6           | < 17.0           |
| Styrene                             | 10           | 100         | < 0.65           | < 1.3            | < 1.3            | < 1.3            | 1.4 BJ           | < 0.33           | < 3.3            | < 9.3            | < 0.47              | < 0.47           | < 3.0            | < 8.9            | < 8.9            | < 8.9            | < 14.3           |
| tert-Butylbenzene                   | NE           | NE          | < 1.2            | < 2.4            | < 2.4            | < 2.4            | < 2.4            | < 0.60           | < 6.0            | < 6.1            | < 0.30              | < 0.30           | < 0.30           | < 14.7           | < 14.7           | < 14.7           | < 23.4           |
| Tetrachloroethene                   | 0.5          | 5           | <b>970</b>       | <b>550</b>       | <b>570</b>       | <b>670</b>       | <b>940</b>       | <b>210</b>       | <b>1900</b>      | <b>2150</b>      | <b>2150</b>         | <b>2120</b>      | <b>4000</b>      | <b>1780</b>      | <b>3540</b>      | <b>2090</b>      | <b>2840</b>      |
| Toluene                             | 160          | 800         | < 0.53           | < 1.1            | 3.2 BJ           | < 1.1            | 1.2 BJ           | < 0.27           | < 2.7            | < 3.4            | < 0.17              | < 0.17           | < 0.27           | < 7.2            | < 7.2            | < 7.2            | < 11.5           |
| trans-1,2-Dichloroethene            | 20           | 100         | < 1.1            | < 2.2            | < 2.2            | < 2.2            | < 2.2            | < 0.55           | < 5.5            | < 21.8           | < 1.1               | < 1.1            | 0.53 J           | < 13.2           | < 13.2           | < 13.2           | < 21.1           |
| Trichloroethene                     | 0.5          | 5           | <b>13</b>        | <b>8.4 J</b>     | <b>6.6 BJ</b>    | <b>7.8 J</b>     | <b>12</b>        | <b>2.3 J</b>     | <b>25 J</b>      | <b>26.7</b>      | <b>29.2</b>         | <b>30.2</b>      | <b>27.9</b>      | <b>19.7 J</b>    | <b>43.8</b>      | <b>15.8 J</b>    | <b>37.8 J</b>    |
| Trichlorofluoromethane              | 698          | 3490        | < 5.0            | < 10             | < 10             | < 10             | < 10             | < 2.5            | < 6.5            | < 4.3            | < 0.21              | < 0.21           | < 0.21           | < 10.5           | < 10.5           | < 10.5           | < 16.7           |
| Vinyl chloride                      | 0.02         | 0.2         | < 1.6            | < 3.2            | < 3.2            | < 3.2            | < 3.2            | < 0.80           | < 8.0            | < 3.5            | < 0.17              | < 0.17           | < 0.17           | < 4.4            | < 4.4            | < 4.4            | < 7.0            |
| Xylenes, Total                      | 400          | 2000        | < 0.58           | < 1.2            | 3.0 BJ           | < 2.3            | < 2.3            | < 0.58           | < 5.8            | < 30.0           | < 1.5               | < 1.5            | < 1.5            | < 26.2           | < 26.2           | < 26.2           | < 41.9           |
| Total 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               |
| 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                  | 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               |
| Notes on Page 68.                   |              |             |                  |                  |                  |                  |                  |                  |                  |                  |                     |                  |                  |                  |                  |                  |                  |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-5D2           | MW-5D2 <sup>3</sup> | MW-5D2           | 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) | ACTION LIMIT | STANDARD    | 165.8 - 170.8 ft | 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 |
| SAMPLE DATE                |              |             | 04/23/2024       | 04/23/2024          | 10/24/2024       | 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   |
| <b>VOCs</b>                |              |             |                  |                     |                  |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 2.3            | < 2.3               | < 7.8            | < 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         | < 1.9            | < 1.9               | < 20             | < 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       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 1.8 UJ         | <b>35 J</b>         | < 14             | < 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           | < 2.0            | < 2.0               | < 12             | < 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         | < 1.8            | < 1.8               | < 7.5            | < 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        | < 1.9            | < 1.9               | < 9.2            | < 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         | < 1.7            | < 1.7               | < 7.2            | < 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           | < 2.0            | < 2.0               | < 14             | < 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           | < 2.1            | < 2.1               | < 12             | < 0.2        | < 0.2        | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       | < 0.20       | < 0.43       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.1        | < 0.10       |              |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 2.3            | < 2.3               | < 60             | < 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      |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 1.7            | < 1.7               | < 29             | < 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      |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 1.3            | < 1.3               | < 6.1            | < 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        | < 11             | < 11                | < 230            | 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          | < 7.8            | < 7.8               | < 41             | 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         | < 11             | < 11                | < 49             | 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        | < 8.7            | < 8.7               | < 330            | 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        |
| Benzene                    | 0.5          | 5           | < 0.73           | < 0.73              | < 7.2            | < 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      |
| Bromodichloromethane       | 0.06         | 0.6         | < 1.9            | < 1.9               | < 9.4            | < 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         | < 2.4            | < 2.4               | < 12             | < 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          | < 4.0            | < 4.0               | < 120            | < 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       |
| Carbon disulfide           | 200          | 1000        | < 2.2            | < 2.2               | < 13             | 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      |
| Carbon tetrachloride       | 0.5          | 5           | < 1.9            | < 1.9               | < 11             | < 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      |
| Chloroethane               | 80           | 400         | < 2.5            | < 2.5               | < 32             | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       |
| Chloroform                 | 0.6          | 6           | <b>4.6 J</b>     | <b>2.8 J</b>        | < 18             | < 0.2        | < 0.2        | < 0.2        | < 0.2        | < 0.2        | < 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          | < 1.6            | < 1.6               | < 11             | < 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       |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>15</b>        | <b>14</b>           | <b>29 J</b>      | 3.1          | <b>12</b>    | <b>12</b>    | 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       |
| Di-isopropyl ether         | NE           | NE          | < 1.4            | < 1.4               | < 55             | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       |
| Dichlorodifluoromethane    | 200          | 1000        | < 3.4            | < 3.4               | < 15             | < 0.2        | < 0.2        | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 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       |
| Ethylbenzene               | 140          | 700         | < 0.92           | < 0.92              | < 7.2            | < 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      |
| Isopropylbenzene           | NE           | NE          | < 1.9            | < 1.9               | < 7.9            | < 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      |
| m,p-Xylene                 | 400          | 2000        | < 0.91           | < 0.91              | < 18             | 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      |
| Methyl tert-butyl ether    | 12           | 60          | < 2.0            | < 2.0               | < 13             | < 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       |
| Methylene chloride         | 0.5          | 5           | < 8.2            | < 8.2               | < 47             | < 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       | < 0.14       | 0.17 BJ      | < 0.14       | < 0.14       |
| Naphthalene                | 10           | 100         | < 1.7            | < 1.7               | < 50             | < 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      |
| n-Butylbenzene             | NE           | NE          | < 1.9            | < 1.9               | < 12             | < 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       |
| n-Hexane                   | 120          | 600         | < 2.5            | < 2.5               | < 8.2            | 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       |
| n-Propylbenzene            | NE           | NE          | < 2.1            | < 2.1               | < 9.2            | < 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       | < 0.1        | < 0.1        | < 0.10       |
| o-Xylene                   | 400          | 2000        | < 1.1            | < 1.1               | < 5.7            | 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      |
| p-Isopropyltoluene         | NE           | NE          | < 1.8            | < 1.8               | < 9.3            | < 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      |
| sec-Butylbenzene           | NE           | NE          | < 2.0            | < 2.0               | < 10             | < 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       |
| Styrene                    | 10           | 100         | < 1.9            | < 1.9               | < 6.3            | < 0.1        | < 0.1        | < 0.1        | < 0.1        | < 0.1        | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.39       | < 0.065      | < 0.065      | < 0.065      | < 0.065      | < 0.065      | < 0.065      | < 0.065      | < 0.065      |
| tert-Butylbenzene          | NE           | NE          | < 2.0            | < 2.0               | < 8.9            | < 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          |              |              |              |              |              |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6S          |  |     |     |  |     |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|-----|-----|--|-----|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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 | 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                |              |             | 10/11/2018   | 04/10/2019   | 10/10/2019   | 10/16/2020   | 04/14/2021   | 10/14/2021   | 04/21/2022   | 10/20/2022   | 4/13/2023    | 10/11/2023   | 04/23/2024   | 10/24/2024   | 12/31/2009     | 04/07/2010     | 07/01/2010     | 10/01/2010     | 12/28/2010     | 04/11/2012     | 01/17/2013     | 04/20/2013     |                |  |     |     |  |     |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |              |              |              |              |                |                |                |                |                |                |                |                |                |  |     |     |  |     |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.11       | < 0.27       | < 0.27       | < 0.27       | < 0.36       | < 0.36       | < 0.36       | NA           | < 0.46       | < 0.46       | < 0.46       | < 0.16       | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.31         | < 0.25         | < 0.25         |                |  |     |     |  |     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.10       | < 0.24       | < 0.24       | < 0.24       | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.38       | < 0.38       | < 0.38       | < 0.39       | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.26         | < 0.2          | < 0.2          |                |  |     |     |  |     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.10       | < 0.55       | < 0.55       | < 0.55       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.35       | < 0.35       | < 0.35       | < 0.27       | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.3          | < 0.28         | < 0.28         |                |  |     |     |  |     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.14       | < 0.24       | < 0.24       | < 0.24       | < 0.58       | < 0.58       | < 0.58       | < 0.58       | 0.45 J       | < 0.39       | < 0.39       | < 0.23       | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.29         | < 0.31         | < 0.31         |                |  |     |     |  |     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.060      | < 0.84       | < 0.84       | < 0.84       | < 0.45       | < 0.45       | < 0.45       | NA           | < 0.36       | < 0.36       | < 0.36       | < 0.15       | 4.3            | 3.3            | 1.3            | 2.2            | 3.2            | 4.8            | 12             | 0.92 J         |                |  |     |     |  |     |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.13       | < 0.83       | < 0.83       | < 0.83       | < 0.31       | < 0.31       | < 0.31       | NA           | < 0.39       | < 0.39       | < 0.39       | < 0.18       | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.45         | < 0.36         | < 0.36         |                |  |     |     |  |     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.076      | < 0.71       | < 0.71       | < 0.71       | < 0.33       | < 0.33       | < 0.33       | NA           | < 0.33       | < 0.33       | < 0.33       | < 0.14       | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.21         | < 0.27         | < 0.27         |                |  |     |     |  |     |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.078      | < 0.28       | < 0.28       | < 0.28       | < 0.29       | < 0.29       | < 0.29       | < 0.29       | < 0.39       | < 0.39       | < 0.39       | < 0.28       | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.28         | < 0.28         | < 0.28         |                |  |     |     |  |     |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.10       | < 0.28       | < 0.28       | < 0.28       | < 0.45       | < 0.45       | < 0.45       | NA           | < 0.43       | < 0.43       | < 0.43       | < 0.24       | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.36         | < 0.2          | < 0.2          |                |  |     |     |  |     |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.045      | < 0.63       | < 0.63       | < 2.2        | < 1.0        | < 1.0        | < 1.0        | NA           | < 0.46 UJ    | < 0.46       | < 0.46       | < 1.2        | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.36         | < 0.24         | < 0.24         |                |  |     |     |  |     |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.077      | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.95       | NA           | < 0.34 UJ    | < 0.34       | < 0.34       | < 0.58       | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.22         | < 0.31         | < 0.31         |                |  |     |     |  |     |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.075      | < 0.87       | < 0.87       | < 0.87       | < 0.36       | < 0.36       | < 0.36       | NA           | < 0.25       | < 0.25       | < 0.25       | < 0.12       | 0.92           | 7.3            | 0.27           | 4.6            | 0.39           | 1.5            | 3.4            | < 0.18         |                |  |     |     |  |     |
| 2-Butanone                 | 800          | 4000        | < 3.0        | < 2.9        | < 2.9        | < 2.9        | < 6.5        | < 6.5        | < 6.5        | NA           | < 2.1        | < 2.1        | < 2.1        | < 4.6        | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             |                |  |     |     |  |     |
| 2-Hexanone                 | NE           | NE          | < 0.95       | < 2.5        | < 2.5        | < 5.2        | < 6.3        | < 6.3        | < 6.3        | < 6.3        | < 1.6        | < 1.6        | < 1.6        | < 0.81       | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             |                |  |     |     |  |     |
| 4-Methyl-2-pentanone       | 50           | 500         | < 0.77       | < 1.5        | < 1.5        | < 4.6        | < 6.0        | < 6.0        | < 6.0        | NA           | < 2.2        | < 2.2        | < 2.2        | < 0.98       | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             |                |  |     |     |  |     |
| Acetone                    | 1800         | 9000        | < 4.6 U      | < 2.7        | < 2.7        | < 2.7        | < 8.6        | < 8.6        | < 8.6        | NA           | < 2.8 U      | < 1.7        | < 1.7 UJ     | < 6.6        | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             |                |  |     |     |  |     |
| Benzene                    | 0.5          | 5           | < 0.089      | < 0.25       | < 0.25       | < 0.25       | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.15       | < 0.15       | < 0.15       | < 0.14       | 7.6            |                | 7.9            |                | 5              |                | 5.3            |                | 5              |  | 4.1 | 9.3 |  | 1.9 |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.077      | < 0.36       | < 0.36       | < 0.36       | < 0.42       | < 0.42       | < 0.42       | < 0.42       | < 0.37       | < 0.37       | < 0.37       | < 0.19       | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.23         | < 0.17         | < 0.17         |                |  |     |     |  |     |
| Bromoform                  | 0.44         | 4.4         | < 0.088      | < 4.0        | < 4.0        | < 4.0        | < 3.8        | < 3.8        | < 3.8        | < 3.8        | < 0.48       | < 0.48       | < 0.48       | < 0.25       | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.45         | < 0.28         | < 0.28         |                |  |     |     |  |     |
| Bromomethane               | 1            | 10          | < 0.59       | < 0.97       | < 0.97       | < 0.97       | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.80 UJ    | < 0.80       | < 0.80       | < 2.4        | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.49         | < 0.31         | < 0.31         |                |  |     |     |  |     |
| Carbon disulfide           | 200          | 1000        | < 0.053      | < 0.37       | < 0.37       | < 0.45       | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.45       | < 0.45       | < 0.45       | < 0.26       | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             |                |  |     |     |  |     |
| Carbon tetrachloride       | 0.5          | 5           | < 0.038      | < 0.17       | < 0.17       | < 1.1        | < 0.37       | < 0.37       | < 0.37       | < 0.37       | < 0.38       | < 0.38       | < 0.38       | < 0.23       | < 0.8          | < 0.8          | < 0.8          | < 0.8          | < 0.8          | < 0.28         | < 0.26         | < 0.26         |                |  |     |     |  |     |
| Chloroethane               | 80           | 400         | < 0.25       | < 1.3        | < 1.3        | < 1.3        | < 1.4        | < 1.4        | < 1.4        | NA           | < 0.51 UJ    | < 0.51       | < 0.51       | < 0.64       | < 1            | < 1            | < 1            | < 1            | < 1            | < 0.33         | < 0.34         | < 0.34         |                |  |     |     |  |     |
| Chloroform                 | 0.6          | 6           | < 0.062      | < 1.3        | < 1.3        | < 1.3        | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.37       | < 0.37       | < 0.37       | < 0.36       | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.2          | < 0.25         | < 0.2          | < 0.2          |                |  |     |     |  |     |
| Chloromethane              | 3            | 30          | < 0.56 U     | < 2.2        | < 2.2        | < 2.2        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 0.32       | < 0.32       | < 0.32       | < 0.23       | < 0.3          | < 0.3          | < 0.3          | < 0.3          | < 0.3          | < 0.24         | < 0.18         | < 0.18         |                |  |     |     |  |     |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.11       | < 0.27       | < 0.27       | < 0.27       | < 0.47       | < 0.47       | < 0.47       | NA           | < 0.41       | < 0.41       | < 0.41       | < 0.32       | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.22         | < 0.12         | < 0.12         |                |  |     |     |  |     |
| Di-isopropyl ether         | NE           | NE          | < 0.15       | < 1.9        | < 1.9        | < 1.9        | < 1.1        | < 1.1        | < 1.1        | NA           | < 0.28       | < 0.28       | < 0.28       | < 1.1        | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.27         | < 0.15         | < 0.15         |                |  |     |     |  |     |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.11       | < 0.50       | < 0.50       | < 0.50       | < 0.46       | < 0.46       | < 0.46       | NA           | < 0.67       | < 0.67       | < 0.67       | < 0.30       | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.5          | < 0.26         | < 0.2          | < 0.2          |                |  |     |     |  |     |
| Ethylbenzene               | 140          | 700         | < 0.054      | < 0.22       | < 0.22       | < 0.32       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.18       | < 0.18       | < 0.18       | < 0.14       | 23             | 14             | 6.0            | 13             | 15             | 9.8            | 40             | 0.18 J         |                |  |     |     |  |     |
| Isopropylbenzene           | NE           | NE          | < 0.081      | <            |              |              |              |              |              |              |              |              |              |              |                |                |                |                |                |                |                |                |                |  |     |     |  |     |

Appendix E: Historical 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 <sup>3</sup> | MW-6S          | MW-6S          | MW-6S <sup>3</sup> | MW-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6S <sup>(3)</sup> | 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 |            |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 07/18/2013     | 10/07/2013     | 04/17/2014     | 10/16/2014     | 04/17/2015     | 10/22/2015     | 10/12/2016     | 10/09/2017     | 10/09/2017         | 10/12/2017     | 04/04/2018     | 10/15/2018         | 10/15/2018     | 04/12/2019     | 10/11/2019     | 7/16/2020      | 10/15/2020           | 04/15/2021     | 04/15/2021 |
| VOCs                       |              |             |                |                |                |                |                |                |                |                |                    |                |                |                    |                |                |                |                |                      |                |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.25         | < 0.46         | < 0.11         | < 0.11         | < 0.11             | < 0.11         | NA             | < 0.11             | < 0.11         | NA             | < 0.27         | NA             | < 0.27               | NA             | < 0.36     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.2          | < 0.2          | < 0.20         | < 0.20         | < 0.20         | < 0.38         | < 0.10         | < 0.1          | < 0.1              | < 0.1          | NA             | < 0.10             | < 0.10         | NA             | < 0.24         | NA             | < 0.24               | NA             | < 0.30     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.28         | < 0.28         | < 0.28         | < 0.28         | < 0.28         | < 0.35         | < 0.10         | < 0.1          | < 0.1              | < 0.1          | NA             | < 0.10             | < 0.10         | NA             | < 0.55         | NA             | < 0.55               | NA             | < 0.34     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.31         | < 0.31         | < 0.31         | < 0.31         | < 0.31         | < 0.39         | < 0.14         | < 0.14         | < 0.14             | < 0.14         | NA             | < 0.14             | < 0.14         | NA             | < 0.24         | NA             | < 0.24               | NA             | < 0.58     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 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         | NA             | < 0.84         | NA                   | < 0.45         |            |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.36         | < 0.36         | < 0.36         | < 0.36         | < 0.36         | < 0.39         | < 0.13         | < 0.13         | < 0.13             | < 0.13         | NA             | < 0.13             | < 0.13         | NA             | < 0.83         | NA             | < 0.83               | NA             | < 0.31     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.27         | < 0.27         | < 0.27         | < 0.27         | < 0.27         | < 0.33         | < 0.076        | < 0.076        | < 0.076            | < 0.076        | NA             | < 0.076            | < 0.076        | NA             | < 0.71         | NA             | < 0.71               | NA             | < 0.33     |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.28         | < 0.28         | < 0.28         | < 0.28         | < 0.28         | < 0.39         | < 0.078        | < 0.078        | < 0.078            | < 0.078        | NA             | < 0.078            | < 0.078        | NA             | < 0.28         | NA             | < 0.28               | NA             | < 0.29     |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.2          | < 0.2          | < 0.20         | < 0.20         | < 0.20         | < 0.43         | < 0.10         | < 0.1          | < 0.1              | < 0.1          | NA             | < 0.10             | < 0.10         | NA             | < 0.28         | NA             | < 0.28               | NA             | < 0.45     |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.24         | < 0.24         | < 0.24         | < 0.24         | < 0.24         | < 0.46         | < 0.045        | 0.07 BJ        | < 0.045            | < 0.045        | NA             | < 0.045            | < 0.045        | NA             | < 0.63         | NA             | < 2.2                | NA             | < 1.0      |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.31         | < 0.31         | < 0.31         | < 0.31         | < 0.31         | < 0.34         | < 0.077        | < 0.077        | < 0.077            | < 0.077        | NA             | < 0.077            | < 0.077        | NA             | < 0.95         | NA             | < 0.95               | NA             | < 0.95     |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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         | NA             | < 0.87         | NA                   | < 0.36         |            |
| 2-Butanone                 | 800          | 4000        | NA             | NA             | NA             | NA             | NA             | NA             | < 3.0          | < 3            | < 3                | NA             | < 3.0          | < 3.0              | NA             | < 2.9          | NA             | < 2.9          | NA                   | < 6.5          |            |
| 2-Hexanone                 | NE           | NE          | NA             | NA             | NA             | NA             | NA             | NA             | < 0.95         | < 0.95         | < 0.95             | < 0.95         | NA             | < 0.95             | < 0.95         | NA             | < 2.5          | NA             | < 5.2                | NA             | < 6.3      |
| 4-Methyl-2-pentanone       | 50           | 500         | NA             | NA             | NA             | NA             | NA             | NA             | < 0.77         | < 0.77         | < 0.77             | < 0.77         | NA             | < 0.77             | < 0.77         | NA             | < 1.5          | NA             | < 4.6                | NA             | < 6.0      |
| Acetone                    | 1800         | 9000        | NA             | NA             | NA             | NA             | NA             | NA             | < 3.4          | < 3.4          | < 3.4              | < 3.4          | NA             | < 3.4              | < 13 U         | NA             | < 2.7          | NA             | < 2.7                | NA             | < 8.6      |
| Benzene                    | 0.5          | 5           | 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         | NA             | < 0.25         | NA                   | < 0.30         |            |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.17         | < 0.17         | < 0.17         | < 0.17         | < 0.17         | 1.2            | < 0.077        | < 0.077        | < 0.077            | < 0.077        | NA             | < 0.077            | < 0.077        | NA             | < 0.36         | NA             | < 0.36               | NA             | < 0.42     |
| Bromoform                  | 0.44         | 4.4         | < 0.28         | < 0.28         | < 0.28         | < 0.28         | < 0.28         | < 0.48         | < 0.088        | < 0.088        | < 0.088            | < 0.088        | NA             | < 0.088            | < 0.088        | NA             | < 4.0          | NA             | < 4.0                | NA             | < 3.8      |
| Bromomethane               | 1            | 10          | < 0.31         | < 0.31         | < 0.31         | < 0.31         | < 0.31         | < 0.80         | < 0.59         | < 0.59         | < 0.59             | < 0.59         | NA             | < 0.59             | < 0.59         | NA             | < 0.97         | NA             | < 0.97               | NA             | < 1.2      |
| Carbon disulfide           | 200          | 1000        | NA             | NA             | NA             | NA             | NA             | NA             | < 0.053        | < 0.053        | < 0.053            | < 0.053        | NA             | < 0.053            | < 0.053        | NA             | < 0.37         | NA             | < 0.45               | NA             | < 1.1      |
| Carbon tetrachloride       | 0.5          | 5           | < 0.26         | < 0.26         | < 0.26         | < 0.26         | < 0.26         | < 0.38         | < 0.038        | < 0.038        | < 0.038            | < 0.038        | NA             | < 0.038            | < 0.038        | NA             | < 0.17         | NA             | < 1.1                | NA             | < 0.37     |
| Chloroethane               | 80           | 400         | < 0.34         | < 0.34         | < 0.34         | < 0.34         | < 0.34         | < 0.47         | < 0.25         | < 0.25         | < 0.25             | < 0.25         | NA             | < 0.25             | < 0.25         | NA             | < 1.3          | NA             | < 1.3                | NA             | < 1.4      |
| Chloroform                 | 0.6          | 6           | < 0.2          | < 0.2          | < 0.20         | < 0.20         | < 0.20         | < 0.37         | < 0.062        | < 0.062        | < 0.062            | < 0.062        | NA             | < 0.062            | < 0.062        | NA             | < 1.3          | NA             | < 1.3                | NA             | < 1.2      |
| Chloromethane              | 3            | 30          | < 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          | NA             | < 2.2          | NA                   | < 1.6          |            |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.12         | < 0.12         | < 0.12         | < 0.12         | < 0.12         | < 0.41         | < 0.11         | < 0.11         | < 0.11             | < 0.11         | NA             | < 0.11             | < 0.11         | NA             | < 0.27         | NA             | < 0.27               | NA             | < 0.47     |
| Di-isopropyl ether         | NE           | NE          | < 0.15         | < 0.15         | < 0.15         | < 0.15         | < 0.15         | < 0.28         | < 0.15         | < 0.15         | < 0.15             | < 0.15         | NA             | < 0.15             | < 0.15         | NA             | < 1.9          | NA             | < 1.9                | NA             | < 1.1      |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.2          | < 0.2          | < 0.20         | < 0.20         | < 0.20         | < 0.54         | < 0.11         | < 0.11         | < 0.11             | < 0.11         | NA             | < 0.11             | < 0.11         | NA             | < 0.50         | NA             | < 0.50               | NA             | < 0.46     |
| Ethylbenzene               | 140          | 700         | < 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         | NA             | < 0.32         | NA                   | < 0.33         |            |
| Isopropylbenzene           | NE           | NE          | < 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         | NA             | < 1.7          | NA                   | < 1.0          |            |
| m,p-Xylene                 | 400          | 2000        | NA             | NA             | NA             | NA             | NA             | NA             | 0.78 J         | 0.37 J         | 0.35 J             | NA             | < 0.057        | < 0.057            | NA             | < 0.47         | NA             | < 0.47         | NA                   | < 0.70         |            |
| Methyl tert-butyl ether    | 12           | 60          | < 0.24         | < 0.24         | < 0.24         | < 0.24         | < 0.24         | < 0.39         | < 0.14         | < 0.14         | < 0.14             | < 0.14         | NA             | < 0.14             | < 0.14         | NA             | < 1.2          | NA             | < 1.2                | NA             | < 1.1      |
| Methylene chloride         | 0.5          | 5           | < 0.68         | < 0.68         | < 0.68         | < 0.68         | < 0.68         | 9.4 cn         | < 0.14         | < 0.14         | < 0.14             | < 0.14         | NA             | < 0.29 U           | < 0.35 U       | NA             | < 0.58         | NA             | < 0.58               | NA             | < 0.32     |
| Naphthalene                | 10           | 100         | < 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          | NA             | < 1.2          | NA                   | < 1.1          |            |
| n-Butylbenzene             | NE           | NE          | < 0.13         | < 0.1.         |                |                |                |                |                |                |                    |                |                |                    |                |                |                |                |                      |                |            |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-6S          | MW-6S          | MW-6S          | MW-6S          | MW-6D          | MW-6D          | MW-6D          | MW-6D          | MW-6D          | MW-6D          | MW-6D          | MW-6D          | MW-6D          | MW-6D <sup>2</sup> | MW-6D          | MW-6D <sup>2</sup> | MW-6D          | MW-6D <sup>2</sup> | MW-6D          | MW-6D <sup>2</sup> |
|----------------------------|--------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|
| 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 | 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    | 04/25/2022     | 10/21/2022     | 10/12/2023     | 10/23/2024     | 12/31/2009     | 04/07/2010     | 07/01/2010     | 10/01/2010     | 10/23/2010     | 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         |
| VOCs                       |              |             |                |                |                |                |                |                |                |                |                |                |                |                |                |                    |                |                    |                |                    |                |                    |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | NA             | < 0.36         | < 0.46         | < 0.16         | < 13           | < 20           | < 13           | < 0.25         | < 2.5          | < 10           | < 0.62         | < 0.5          | < 0.5          | < 0.5              | < 0.5          | < 0.5              | < 0.5          | < 0.5              | < 0.25         | < 0.25             |
| 1,1,1-Trichloroethane      | 40           | 200         | NA             | < 0.30         | < 0.38         | < 0.39         | < 25           | < 40           | < 25           | < 0.5          | < 5            | < 20           | < 0.52         | < 0.4          | < 0.4          | < 0.4              | < 0.4          | < 0.4              | < 0.4          | < 0.4              | < 0.2          | < 0.2              |
| 1,1,2-Trichloroethane      | 0.5          | 5           | NA             | < 0.34         | < 0.35         | < 0.27         | < 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         |                    |
| 1,1-Dichloroethene         | 0.7          | 7           | NA             | < 0.58         | < 0.39         | < 0.23         | < 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         |                    |
| 1,2,4-Trimethylbenzene     | 96           | 480         | NA             | < 0.45         | < 0.36         | < 0.15         | 330            | 130            | 130            | 160            | 180            | 74             | 19             | 23             | 25             | 11                 | 6.1            | 16                 | 17             | 41                 | 38             |                    |
| 1,2-Dibromoethane          | 0.005        | 0.05        | NA             | < 0.31         | < 0.39         | < 0.18         | 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         |                    |
| 1,2-Dichlorobenzene        | 60           | 600         | NA             | < 0.33         | < 0.33         | < 0.14         | < 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         |                    |
| 1,2-Dichloroethane         | 0.5          | 5           | NA             | < 0.29         | < 0.39         | < 0.28         | < 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         |                    |
| 1,2-Dichloropropane        | 0.5          | 5           | NA             | < 0.45         | < 0.43         | < 0.24         | < 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          |                    |
| 1,2,3-Trichlorobenzene     | NE           | NE          | NA             | < 1.0          | < 0.46         | < 1.2          | < 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         |                    |
| 1,2,4-Trichlorobenzene     | 14           | 70          | NA             | < 0.95         | < 0.34         | < 0.58         | < 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         |                    |
| 1,3,5-Trimethylbenzene     | 96           | 480         | NA             | < 0.36         | < 0.25         | < 0.12         | 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         |                    |
| 2-Butanone                 | 800          | 4000        | NA             | < 6.5          | < 2.1          | < 4.6          | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             |                    |
| 2-Hexanone                 | NE           | NE          | NA             | < 6.3          | < 1.6          | < 0.81         | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             |                    |
| 4-Methyl-2-pentanone       | 50           | 500         | NA             | < 6.0          | < 2.2          | < 0.98         | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             |                    |
| Acetone                    | 1800         | 9000        | NA             | < 8.6          | < 1.7          | < 6.6          | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             |                    |
| Benzene                    | 0.5          | 5           | NA             | < 0.30         | < 0.15         | < 0.14         | 3900           | 3200           | 2900           | < 0.2          | 2900           | 2100           | 1500           | 1300           | 1400           | 600                | 500            | 810                | 800            | 1000               | 840            |                    |
| Bromodichloromethane       | 0.06         | 0.6         | NA             | < 0.42         | < 0.37         | < 0.19         | < 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         |                    |
| Bromoform                  | 0.44         | 4.4         | NA             | < 3.8          | < 0.48         | < 0.25         | < 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         |                    |
| Bromomethane               | 1            | 10          | NA             | < 1.2          | < 0.80         | < 2.4          | < 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         |                    |
| Carbon disulfide           | 200          | 1000        | NA             | < 1.1          | < 0.45         | < 0.26         | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             |                    |
| Carbon tetrachloride       | 0.5          | 5           | NA             | < 0.37         | < 0.38         | < 0.23         | < 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         |                    |
| Chloroethane               | 80           | 400         | NA             | < 1.4          | < 0.51         | < 0.64         | < 50           | < 80           | < 50           | < 1            | < 10           | < 40           | < 0.66         | < 0.68         | < 0.68         | < 0.68             | < 0.68         | < 0.68             | < 0.68         | < 0.34             | < 0.34         |                    |
| Chloroform                 | 0.6          | 6           | NA             | < 1.2          | < 0.37         | < 0.36         | < 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          |                    |
| Chloromethane              | 3            | 30          | NA             | < 1.6          | < 0.32         | < 0.23         | < 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         |                    |
| cis-1,2-Dichloroethene     | 7            | 70          | NA             | < 0.47         | < 0.41         | < 0.32         | < 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         |                    |
| Di-isopropyl ether         | NE           | NE          | NA             | < 1.1          | < 0.28         | < 1.1          | < 25           | < 40           | < 25           | < 0.5          | < 5            | < 20           | < 0.54         | < 0.3          | < 0.3          | < 0.3              | < 0.3          | < 0.3              | < 0.3          | < 0.15             | < 0.15         |                    |
| Dichlorodifluoromethane    | 200          | 1000        | NA             | < 0.46         | < 0.67         | < 0.30         | < 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          |                    |
| Ethylbenzene               | 140          | 700         | NA             | < 0.33         | < 0.18         | < 0.14         | 47             | < 40           | 26             | 39             | 35             | < 20           | 8.7            | 7.5            | 7.9            | 3.5                | 2.8            | 7.1                | 7.9            | 8.1                | 7.5            |                    |
| Isopropylbenzene           | NE           | NE          | NA             | < 1.0          | < 0.39 J       | < 0.16         | 54             | 43             | 32             | 45             | 40             | 35             | 23             | 30             | 32             | 16                 | 12             | 27                 | 30             | 29                 | 27             |                    |
| m,p-Xylene                 | 400          | 2000        | NA             | < 0.70         | < 0.18         | < 0.36         | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             |                    |
| Methyl tert-butyl ether    | 12           | 60          | NA             | < 1.1          | < 0.39         | < 0.25         | < 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         |                    |
| Methylene chloride         | 0.5          | 5           | NA             | < 0.32         | < 1.6          | < 0.94         | < 50           | < 80           | < 50           | < 1            | < 10           | < 40           | < 1.3          | < 1.4          | < 1.4          | < 1.4              | < 1.4          | < 1.4              | < 1.4          | < 0.68             | < 0.68         |                    |
| Naphthalene                | 10           | 100         | NA             | < 1.1          | < 0.34         | < 0.99         | 380            | 280            | 370            | 370            | 360            | 190            | 110            | 54             | 58             | 3.9                | 2.8            | 50                 | 64             | 72                 | 71             |                    |
| n-Butylbenzene             | NE           | NE          | NA             | < 0.86         | < 0.39         | < 0.23         | 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            |                    |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> | MW-6D          | MW-6D <sup>3</sup> |            |
|----------------------------|--------------|-------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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                |              |             | 04/17/2014     | 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 |
| VOCs                       |              |             |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.50         | < 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     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.40         | < 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     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.56         | < 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     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.62         | < 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     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | 9.7            | 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        |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.72         | < 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     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.54         | < 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    |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.56         | < 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    |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.40         | 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     |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.48         | < 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    |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.62         | < 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    |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.36         | < 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        |
| 2-Butanone                 | 800          | 4000        | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             | NA                 | < 60           | < 150              | < 30           | < 150              | < 150          | < 300              | < 150          | < 300              | < 30           | < 150              | < 3.0      |
| 2-Hexanone                 | NE           | NE          | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             | NA                 | < 19           | < 48               | < 9.5          | < 48               | < 48           | < 95               | < 48           | < 95               | < 9.5          | < 48               | < 0.95     |
| 4-Methyl-2-pentanone       | 50           | 500         | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             | NA                 | < 15           | < 39               | < 7.7          | < 39               | < 39           | < 77               | < 39           | < 77               | < 7.7          | < 39               | < 0.77     |
| Acetone                    | 1800         | 9000        | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             | NA                 | < 68           | < 170              | < 34           | < 170              | < 170          | < 340              | < 170          | < 340              | < 34           | < 170              | 20         |
| Benzene                    | 0.5          | 5           | 650            | 710                | 990            | 980                | 790            | 700                | 660            | 560                | 610            | 810                | 1400           | 1600               | 1700           | 2100               | 2200           | 1700               | 1700           | 2000               | 2200       |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.34         | < 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    |
| Bromoform                  | 0.44         | 4.4         | < 0.56         | < 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    |
| Bromomethane               | 1            | 10          | < 0.62         | < 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     |
| Carbon disulfide           | 200          | 1000        | NA             | 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    |
| Carbon tetrachloride       | 0.5          | 5           | < 0.52         | < 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    |
| Chloroethane               | 80           | 400         | < 0.68         | < 0.68             | < 0.68         | < 0.68             | < 0.68         | < 0.68             | < 0.47         | < 0.94             | < 5.0          | < 13               | < 2.5          | < 13               | < 13           | < 25               | < 13           | < 25               | < 2.5          | < 13               | < 0.25     |
| Chloroform                 | 0.6          | 6           | < 0.40         | < 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    |
| Chloromethane              | 3            | 30          | < 0.36         | < 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     |
| cis-1,2-Dichloroethene     | 7            | 70          | 2.8            | 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        |
| Di-isopropyl ether         | NE           | NE          | < 0.30         | < 0.30             | < 0.30         | < 0.30             | < 0.30         | < 0.30             | < 0.28         | < 0.55             | < 3.0          | < 7.5              | < 1.5          | < 7.5              | < 7.5          | < 15               | < 7.5          | < 15               | < 1.5          | < 7.5              | < 0.15     |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.40         | < 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     |
| Ethylbenzene               | 140          | 700         | 6.7            | 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         |
| Isopropylbenzene           | NE           | NE          | 22             | 21                 | 24             | 20                 | 13             | 13                 | 17             | 16                 | 5.8 J          | 22 J               | 31             | 31                 | 28             | 29 BJ              | 31             | 33 J               | 34             | 33                 | 30         |
| m,p-Xylene                 | 400          | 2000        | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             | NA                 | 8.2 J          | 22 J               | 98             | 140                | 130            | 110 B              | 110 B          | 73 J               | 80             | 140                | 55         |
| Methyl tert-butyl ether    | 12           | 60          | < 0.48         | < 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     |
| Methylene chloride         | 0.5          | 5           | < 1.4          | < 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     |
| Naphthalene                | 10           | 100         | 12             | 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         |
| n-Butylbenzene             | NE           | NE          | < 0.26         | < 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        |
| n-Hexane                   | 120          | 600         | NA             | NA                 | NA             | NA                 | NA             | NA                 | NA             | NA                 | < 4.2          | < 11               | < 2.1          | < 11               | < 11           | < 21               | < 11           | < 21               | < 2.1          | < 11               | < 0.21     |
| n-Propylbenzene            | NE           | NE          | 9.2            | 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         |
| o-Xylene                   | 400          | 2000        | NA             | 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        |
| p-Isopropyltoluene         | NE           | NE          | 2.7            | 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        |
| sec-Butylbenzene           | NE           | NE          | 3.0            | 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        |
| Styrene                    | 10           | 100         | < 0.20         | < 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    |
| tert-Butylbenzene          | NE           | NE          | < 0.28         | < 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     |
| Tetrachloroethene          | 0.5          | 5           | 10             | 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       |
| Toluene                    | 160          | 800         | 25             | 24                 | 26             | 27                 | 17             | 17                 | 22             | 22                 | 13             | 23 J               | 65             | 90                 | 95             | 120 B              | 110 B          | 100                | 110            | 140                | 140        |
| trans-1,2-Dichloroethene   | 20           | 100         | < 0.50         | < 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        |
| Trichloroethene            | 0.5          | 5           | 24             | 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         |
| Trichlorofluoromethane     | 698          | 3490        | < 2.0          | < 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      |
| Vinyl chloride             | 0.02         | 0.2         | < 0.20         | < 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     |
| Xylenes, Total             | 400          | 2000        | 16             | 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         |
| 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             |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                   | SCREEN INTERVAL (feet bgs) | PREVENTIVE ACTION LIMIT | ENFORCEMENT STANDARD | MW-6D<br>65.5 - 70.5 ft<br>10/15/2018 | MW-6D<br>65.5 - 70.5 ft<br>04/11/2019 | MW-6D <sup>3</sup><br>65.5 - 70.5 ft<br>04/11/2019 | MW-6D<br>65.5 - 70.5 ft<br>10/11/2019 | MW-6D<br>65.5 - 70.5 ft<br>10/15/2020 | MW-6D <sup>3</sup><br>65.5 - 70.5 ft<br>10/15/2020 | MW-6D<br>65.5 - 70.5 ft<br>04/15/2021 | MW-6D <sup>(3)</sup><br>65.5 - 70.5 ft<br>04/15/2021 | MW-6D<br>65.5 - 70.5 ft<br>10/14/2021 | MW-6D<br>65.5 - 70.5 ft<br>04/25/2022 | MW-6D<br>65.5 - 70.5 ft<br>10/21/2022 | MW-6D<br>65.5 - 70.5 ft<br>4/13/2023 | MW-6D <sup>3</sup><br>65.5 - 70.5 ft<br>4/13/2023 | MW-6D<br>65.5 - 70.5 ft<br>10/12/2023 | MW-6D<br>65.5 - 70.5 ft<br>04/24/2024 | MW-6D<br>65.5 - 70.5 ft<br>10/23/2024 | MW-7<br>24 - 35 ft<br>08/26/2011 | MW-7<br>24 - 35 ft<br>04/10/2012 | MW-7<br>24 - 35 ft<br>01/14/2013 | MW-7<br>24 - 35 ft<br>04/16/2013 |
|---------------------------|----------------------------|-------------------------|----------------------|---------------------------------------|---------------------------------------|----------------------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------------------|---------------------------------------|------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| VOCs                      |                            |                         |                      | < 5.5                                 | < 6.7                                 | < 6.7                                              | < 6.7                                 | < 2.7                                 | < 2.7                                              | < 3.6                                 | < 1.4                                                | < 3.6                                 | < 3.6                                 | < 0.36                                | < 2.3                                | < 2.3                                             | < 0.46                                | < 0.46                                | < 0.62                                | < 0.25                           | < 0.31                           | < 0.25                           | < 0.25                           |
| 1,1,1,2-Tetrachloroethane | 7                          | 70                      |                      | < 5.5                                 | < 6.7                                 | < 6.7                                              | < 6.7                                 | < 2.7                                 | < 2.7                                              | < 3.6                                 | < 1.4                                                | < 3.6                                 | < 3.6                                 | < 0.36                                | < 2.3                                | < 2.3                                             | < 0.46                                | < 0.46                                | < 0.62                                | < 0.25                           | < 0.31                           | < 0.25                           | < 0.25                           |
| 1,1,1-Trichloroethane     | 40                         | 200                     |                      | < 5.0                                 | < 6.1                                 | < 6.1                                              | < 6.1                                 | < 2.4                                 | < 2.4                                              | < 3.0                                 | < 1.2                                                | < 3.0                                 | < 3.0                                 | < 0.30                                | < 1.9                                | < 1.9                                             | < 0.38                                | < 0.38                                | < 1.6                                 | < 0.5                            | < 0.26                           | < 0.2                            | < 0.2                            |
| 1,1,2-Trichloroethane     | 0.5                        | 5                       |                      | < 5.0                                 | < 13.8                                | < 13.8                                             | < 13.8                                | < 5.5                                 | < 5.5                                              | < 3.4                                 | < 1.4                                                | < 3.4                                 | < 3.4                                 | < 0.34                                | < 1.8                                | < 1.8                                             | < 0.35                                | < 0.35                                | < 1.1                                 | < 0.25                           | < 0.3                            | < 0.28                           | < 0.28                           |
| 1,1-Dichloroethene        | 0.7                        | 7                       |                      | < 7.0                                 | < 6.1                                 | < 6.1                                              | < 6.1                                 | < 2.4                                 | < 2.4                                              | < 5.8                                 | < 2.3                                                | < 5.8                                 | < 5.8                                 | < 0.58                                | < 2.0                                | < 2.0                                             | < 0.39                                | < 0.39                                | < 0.92                                | < 0.5                            | < 0.29                           | < 0.31                           | < 0.31                           |
| 1,2,4-Trimethylbenzene    | 96                         | 480                     |                      | 90                                    | 57.0 J                                | 56.3 J                                             | 43.5 J                                | 35.8                                  | 36.5                                               | 9.9 J                                 | 10.8                                                 | 4.9 J                                 | < 4.5                                 | 2.9                                   | 6.2                                  | 6.1                                               | 2.9                                   | 1.2                                   | 2.0 J                                 | < 0.2                            | < 0.22                           | < 0.14                           | < 0.14                           |
| 1,2-Dibromoethane         | 0.005                      | 0.05                    |                      | < 6.5                                 | < 20.7                                | < 20.7                                             | < 20.7                                | < 8.3                                 | < 8.3                                              | < 3.1                                 | < 1.2                                                | < 3.1                                 | < 3.1                                 | < 0.31                                | < 1.9                                | < 1.9                                             | < 0.39                                | < 0.39                                | < 0.73                                | < 0.2                            | < 0.45                           | < 0.36                           | < 0.36                           |
| 1,2-Dichlorobenzene       | 60                         | 600                     |                      | < 3.8                                 | < 17.6                                | < 17.6                                             | < 17.6                                | < 7.1                                 | < 7.1                                              | < 3.3                                 | < 1.3                                                | < 3.3                                 | < 3.3                                 | < 0.33                                | < 1.7                                | < 1.7                                             | < 0.33                                | < 0.33                                | < 0.58                                | < 0.2                            | < 0.21                           | < 0.27                           | < 0.27                           |
| 1,2-Dichloroethane        | 0.5                        | 5                       |                      | < 3.9                                 | < 7.0                                 | < 7.0                                              | < 7.0                                 | < 2.8                                 | < 2.8                                              | < 2.9                                 | < 1.2                                                | < 2.9                                 | < 2.9                                 | < 0.29                                | < 2.0                                | < 2.0                                             | < 0.39                                | < 0.39                                | < 1.1                                 | < 0.5                            | < 0.28                           | < 0.28                           | < 0.28                           |
| 1,2-Dichloropropane       | 0.5                        | 5                       |                      | < 5.0                                 | < 7.1                                 | < 7.1                                              | < 7.1                                 | < 2.8                                 | < 2.8                                              | < 4.5                                 | < 1.8                                                | < 4.5                                 | < 4.5                                 | < 0.45                                | < 2.1                                | < 2.1                                             | < 0.43                                | < 0.43                                | < 0.97                                | < 0.5                            | < 0.36                           | < 0.2                            | < 0.2                            |
| 1,2,3-Trichlorobenzene    | NE                         | NE                      |                      | < 2.3                                 | < 15.6                                | < 15.6                                             | < 15.6                                | < 22.1                                | < 22.1                                             | < 10.2                                | < 4.1                                                | < 10.2                                | < 10.2                                | < 1.0                                 | < 2.3                                | < 2.3                                             | < 0.46                                | < 0.46                                | < 4.8                                 | < 0.25                           | < 0.36                           | < 0.24                           | < 0.24                           |
| 1,2,4-Trichlorobenzene    | 14                         | 70                      |                      | < 3.9                                 | < 23.8                                | < 23.8                                             | < 23.8                                | < 9.5                                 | < 9.5                                              | < 9.5                                 | < 3.8                                                | < 9.5                                 | < 9.5                                 | < 0.95                                | < 1.7                                | < 1.7                                             | < 0.34                                | < 0.34                                | < 2.3                                 | < 0.25                           | < 0.22                           | < 0.31                           | < 0.31                           |
| 1,3,5-Trimethylbenzene    | 96                         | 480                     |                      | < 3.8                                 | < 21.8                                | < 21.8                                             | < 21.8                                | < 8.7                                 | < 8.7                                              | < 3.6                                 | < 1.4                                                | < 3.6                                 | < 3.6                                 | < 0.36                                | 4.1 J                                | < 1.3                                             | < 0.25                                | < 0.25                                | < 0.48                                | < 0.2                            | < 0.23                           | < 0.18                           | < 0.18                           |
| 2-Butanone                | 800                        | 4000                    |                      | < 150 J                               | < 73.4                                | < 73.4                                             | < 73.4                                | < 29.4                                | < 29.4                                             | < 65.2                                | < 26.1                                               | < 65.2                                | < 65.2                                | < 6.5                                 | < 11 UJ                              | < 11 UJ                                           | < 2.1                                 | < 2.1                                 | < 18                                  | NA                               | NA                               | NA                               | NA                               |
| 2-Hexanone                | NE                         | NE                      |                      | < 48                                  | < 61.4                                | < 61.4                                             | < 61.4                                | < 52.1                                | < 52.1                                             | < 62.8                                | < 25.1                                               | < 62.8                                | < 62.8                                | < 6.3                                 | < 7.8 UJ                             | < 7.8 UJ                                          | < 1.6                                 | < 1.6                                 | < 3.2                                 | NA                               | NA                               | NA                               | NA                               |
| 4-Methyl-2-pentanone      | 50                         | 500                     |                      | < 39                                  | < 38.3                                | < 38.3                                             | < 38.3                                | < 46.4                                | < 46.4                                             | < 59.5                                | < 23.8                                               | < 59.5                                | < 59.5                                | < 6.0                                 | < 11 UJ                              | < 11 UJ                                           | < 2.2                                 | < 2.2                                 | < 3.9                                 | NA                               | NA                               | NA                               | NA                               |
| Acetone                   | 1800                       | 9000                    |                      | < 170                                 | 119 J                                 | 197 J                                              | < 68.5 U                              | 74.3 J                                | < 27.4                                             | < 86.4                                | < 34.6                                               | 104 J                                 | < 86.4                                | < 8.6                                 | 23 J                                 | 17 J                                              | < 1.7                                 | < 1.7                                 | < 26                                  | NA                               | NA                               | NA                               | NA                               |
| Benzene                   | 0.5                        | 5                       |                      | 1500                                  | 1210                                  | 1280                                               | 1180                                  | 632                                   | 641                                                | 432                                   | 423                                                  | 343                                   | 183                                   | 246                                   | 370                                  | 380                                               | 340                                   | 190                                   | 200                                   | < 0.2                            | < 0.12                           | < 0.074                          | < 0.074                          |
| Bromodichloromethane      | 0.06                       | 0.6                     |                      | < 3.9                                 | < 9.1                                 | < 9.1                                              | < 9.1                                 | < 3.6                                 | < 3.6                                              | < 4.2                                 | < 1.7                                                | < 4.2                                 | < 4.2                                 | < 0.42                                | < 1.9                                | < 1.9                                             | < 0.37                                | < 0.37                                | < 0.75                                | < 0.2                            | < 0.23                           | < 0.17                           | < 0.17                           |
| Bromoform                 | 0.44                       | 4.4                     |                      | < 4.4                                 | < 99.3                                | < 99.3                                             | < 99.3                                | < 39.7                                | < 39.7                                             | < 38.0                                | < 15.2                                               | < 38.0                                | < 38.0                                | < 3.8                                 | < 2.4                                | < 2.4                                             | < 0.48                                | < 0.48                                | < 0.98                                | < 0.2                            | < 0.45                           | < 0.28                           | < 0.28                           |
| Bromomethane              | 1                          | 10                      |                      | < 30                                  | < 24.3                                | < 24.3                                             | < 24.3                                | < 9.7                                 | < 9.7                                              | < 11.9                                | < 4.8                                                | < 11.9                                | < 11.9                                | < 1.2                                 | < 4.0 UJ                             | < 4.0 UJ                                          | < 0.80                                | < 0.80                                | < 9.4                                 | < 0.5                            | < 0.49                           | < 0.31                           | < 0.31                           |
| Carbon disulfide          | 200                        | 1000                    |                      | < 2.7                                 | < 9.4                                 | < 9.4                                              | < 9.4                                 | < 4.5                                 | < 4.5                                              | < 11.0                                | < 4.4                                                | < 11.0                                | < 11.0                                | < 1.1                                 | < 2.2                                | < 2.2                                             | < 0.45                                | < 0.45                                | < 1.0                                 | NA                               | NA                               | NA                               | NA                               |
| Carbon tetrachloride      | 0.5                        | 5                       |                      | < 1.9                                 | < 4.1                                 | < 4.1                                              | < 4.1                                 | < 10.8                                | < 10.8                                             | < 3.7                                 | < 1.5                                                | < 3.7                                 | < 3.7                                 | < 0.37                                | < 1.9                                | < 1.9                                             | < 0.38                                | < 0.38                                | < 0.90                                | < 0.8                            | < 0.28                           | < 0.26                           | < 0.26                           |
| Chloroethane              | 80                         | 400                     |                      | < 13                                  | < 33.6                                | < 33.6                                             | < 33.6                                | < 13.4                                | < 13.4                                             | < 13.8                                | < 5.5                                                | < 13.8                                | < 13.8                                | < 1.4                                 | < 2.5                                | < 2.5                                             | < 0.51                                | < 0.51                                | < 2.6                                 | < 1                              | < 0.33                           | < 0.34                           | < 0.34                           |
| Chloroform                | 0.6                        | 6                       |                      | < 3.1                                 | < 31.8                                | < 31.8                                             | < 31.8                                | < 12.7                                | < 12.7                                             | < 11.8                                | < 4.7                                                | < 11.8                                | < 11.8                                | 8.4                                   | < 1.9                                | < 1.9                                             | < 0.37                                | < 0.37                                | < 1.4                                 | < 0.2                            | < 0.25                           | < 0.2                            | < 0.2                            |
| Chloromethane             | 3                          | 30                      |                      | < 14 U                                | < 54.7                                | < 54.7                                             | < 54.7                                | < 21.9                                | < 21.9                                             | < 16.4                                | < 6.5                                                | < 16.4                                | < 16.4                                | < 1.6                                 | < 3.7 U                              | 6.3                                               | < 0.32                                | < 0.32                                | < 0.91                                | < 0.3                            | < 0.24                           | < 0.18                           | < 0.18                           |
| cis-1,2-Dichloroethene    | 7                          | 70                      |                      | 8.5 J                                 | < 6.8                                 | < 6.8                                              | 9.0 J                                 | 7.8 J                                 | 8.2 J                                              | 8.1 J                                 | 7.4                                                  | 11.7                                  | 8.3 J                                 | 7                                     | 7.5                                  | 7.4                                               | < 0.41                                | 4.7                                   | 4.1                                   | < 0.5                            | < 0.22                           | < 0.12                           | < 0.12                           |
| Di-isopropyl ether        | NE                         | NE                      |                      | < 7.5                                 | < 47.2                                | < 47.2                                             | < 47.2                                | < 18.9                                | < 18.9                                             | < 11.0                                | < 4.4                                                | < 11.0                                | < 11.0                                | < 1.1                                 | < 1.4                                | < 1.4                                             | < 0.28                                | < 0.28                                | < 4.4                                 | < 0.5                            | < 0.27                           | < 0.15                           | < 0.15                           |
| Dichlorodifluoromethane   | 200                        | 1000                    |                      | < 5.5                                 | < 12.5                                | < 12.5                                             | < 12.5                                | < 5.0                                 | < 5.0                                              | < 4.6                                 | < 1.8                                                | < 4.6                                 | < 4.6                                 | < 0.46                                | < 3.4                                | < 3.4                                             | < 0.67                                | < 0.67                                | < 1.2                                 | < 0.5                            | < 0.26                           | < 0.2                            | < 0.2                            |
| Ethylbenzene              | 140                        | 700                     |                      | 34                                    | 32.0                                  | 38.1                                               | 21.7 J                                | 8.0 J                                 | 7.4 J                                              | 3.4 J                                 | < 3.3                                                | < 3.3                                 | < 3.3                                 | 2.8                                   | 7.7                                  | 6.8                                               | 14                                    | 16                                    | 12                                    | < 0.5                            | < 0.14                           | < 0.13                           | < 0.13                           |
| Isopropylbenzene          | NE                         | NE                      |                      | 17 J                                  | 15.3 J                                | 16.8 J                                             | 16.3 J                                | 20.4 J                                | 20.9 J                                             | 15.0 J                                | 14.9 J                                               | 16.0 J                                | 10.7 J                                | 19.6                                  | 26                                   | 24                                                | 19 J-                                 | 12                                    | 16                                    | < 0.2                            | < 0.21                           | < 0.14                           | < 0.14                           |
| m,p-Xylene                | 400                        | 2000                    |                      | 53                                    | 44.2 J                                | 43.4 J                                             | 18.4 J                                | 8.8 J                                 | 7.7 J                                              | < 7.0                                 | 3.6 J                                                | < 7.0                                 | < 7.0                                 | 6.7                                   | 10                                   | 9.6                                               | 8.1                                   | 3.6                                   | 4.2 J                                 | NA                               | NA                               | NA                               | NA                               |
| Methyl tert-butyl ether   | 12                         | 60                      |                      | < 7.0 J                               | < 31.1                                | < 31.1                                             | < 31.1                                | < 12.5                                | < 12.5                                             | < 11.3                                | < 4.5                                                | < 11.3                                | < 11.3                                | < 1.1                                 | < 2.0                                | < 2.0                                             | < 0.39                                | < 0.39                                | < 1.0                                 | < 0.5                            | < 0.28                           | < 0.24                           | < 0.24                           |
| Methylene chloride        | 0.5                        | 5                       |                      | < 7.0 J+                              | < 14.5                                | < 14.5                                             | < 14.5                                | < 5.8                                 | < 5.8                                              | < 3.2                                 | < 1.3                                                | < 3.2                                 | < 3.2                                 | < 0.32                                | < 8.2                                | < 8.2                                             | < 1.6                                 | < 1.6                                 | < 3.8                                 | < 1                              | < 0.63                           | < 0.68                           | < 0.68                           |
| Naphthalene               | 10                         | 100                     |                      | < 41 U                                | < 29.4                                | < 29.4                                             | < 29.4                                | < 11.8                                | < 11.8                                             | < 11.3                                | < 4.5                                                | < 11.3                                | < 11.3                                | 1.5 J                                 | 3.0 J                                | 2.8 J                                             | 5.0                                   | 3.0                                   | < 4.0                                 | < 0.25                           | < 0.24                           | < 0.16                           | < 0.16                           |
| n-Butylbenzene            | NE                         | NE                      |                      | < 7.0                                 | < 17.7                                | < 17.7                                             | < 17.7                                | < 7.1                                 | < 7.1                                              | < 8.6                                 | < 3.4                                                | < 8.6                                 | < 8.6                                 | 1.7                                   | < 1.9                                | < 1.9                                             | < 0.39                                | < 0.39                                | 1.6 J                                 | < 0.2                            | < 0.21                           | < 0.13                           | < 0.13                           |
| n-Hexane                  | 120                        | 600                     |                      | < 11                                  | < 42.7                                | < 42.7                                             | < 42.7                                | < 17.1                                | < 17.1                                             | < 14.6                                | < 5.8                                                | < 14.6                                | < 14.6                                | 1.8 J                                 | < 2.5                                | < 2.5                                             | < 0.49 UJ                             | < 0.49                                | < 0.65                                | NA                               | NA                               | NA                               | NA                               |
| n-Propylbenzene           | NE                         | NE                      |                      | 16 J                                  | < 20.3                                | < 20.3                                             | < 20.3                                | 10.9 J                                | 11.2 J                                             | 6.2 J                                 | 5.7                                                  | 4.9 J                                 | < 3.5                                 | 5.1                                   | 8.9                                  | 8.0                                               | 7.4                                   | 5.9                                   | 5.4                                   | < 0.5                            | < 0.19                           | < 0.13                           | < 0.13                           |
| o-Xylene                  | 400                        | 2000                    |                      | 3.0 J                                 | < 6.5                                 | < 6.5                                              | < 6.5                                 | < 2.6                                 | < 2.6                                              | < 3.5                                 | < 1.4                                                | < 3.5                                 | < 3.5                                 | 0.50 J                                | < 1.1                                | < 1.1                                             | 0.59                                  | < 0.22                                | < 0.68 UJ                             | NA                               | NA                               | NA                               | NA                               |
| p-Isopropyltoluene        | NE                         | NE                      |                      | < 4.3                                 | < 20.0                                | < 20.0                                             | < 20.0                                | < 8.0                                 | < 8.0                                              | < 10.4                                | < 4.2                                                | < 10.4                                | < 10.4                                | < 1.0                                 | 5.3                                  | 5.0                                               | 1.5                                   | 1.3                                   | 1.2 J                                 | < 0.2                            | < 0.24                           | < 0.17                           | < 0.17                           |
| sec-Butylbenzene          | NE                         | NE                      |                      | < 6.5                                 | < 21.2                                | < 21.2                                             | < 21.2                                | < 8.5                                 | < 8.5                                              | < 4.2                                 | 2.1 J                                                | < 4.2                                 | < 4.2                                 | 2.6                                   | 3.4 J                                | 2.7 J                                             | 2.7                                   | 2.0                                   | 4.1                                   | < 0.25                           | < 0.19                           | < 0.15                           | < 0.15                           |
| Styrene                   | 10                         | 100                     |                      | < 3.3                                 | < 11.6                                | < 11.6                                             | < 11.6                                | < 30.1                                | < 30.1                                             | < 3.6                                 | < 1.4                                                | < 3.6                                 | < 3.6                                 | 0.52 J                                | 4.6 J                                | 4.6 J                                             | 0.91 J                                | 0.63 J                                | 0.84 J                                | < 0.5                            | < 0.26                           | < 0.1                            | < 0.1                            |
| tert-Butylbenzene         | NE                         | NE                      |                      | < 6.0                                 | < 7.6                                 | < 7.6                                              | < 7.6                                 | < 3.0                                 | < 3.0                                              | < 5.9                                 | < 2.3                                                | < 5.9                                 | < 5.9                                 | < 0.59                                | < 2.0                                | < 2.0                                             | 0.46 J                                | < 0.40                                | < 0.71                                | < 0.2                            | < 0.24                           | < 0.14                           | < 0.14                           |
| Tetrachloroethene         | 0.5                        | 5                       |                      | < 4.1                                 | < 8.2                                 | < 8.2                                              | < 8.2                                 | < 3.3                                 | < 3.3                                              | < 4.1                                 | < 1.6                                                | < 4.1                                 | < 4.1                                 | < 0.41                                | < 1.9                                | 2.1 J                                             | < 0.37                                | < 0.37                                | < 1.6                                 | < 0.5                            | < 0.22                           | < 0.17                           | < 0.17                           |
| Toluene                   | 160                        | 800                     |                      | 92                                    | 95.5 J                                | 93.1 J                                             | 87.7 J                                | 38.0                                  | 37.0                                               | 20.6                                  | 20.6                                                 | 16.3                                  | 6.8 J                                 | 12.0                                  | 18                                   | 17                                                | 14                                    | 7.6                                   | 13                                    | < 0.5                            | < 0.15                           | < 0.11                           | < 0.11                           |
| trans-1,2-Dichloroethene  | 20                         | 100                     |                      | < 5.5                                 | < 27.3                                | < 27.3                                             | < 27.3                                | 5.2 J                                 | 5.3 J                                              | < 5.3                                 | 4.4                                                  | < 5.3                                 | < 5.3                                 | < 0.53                                | < 1.7                                | < 1.7                                             | < 0.35                                | < 0.35                                | < 1.5                                 | < 0.5                            | < 0.27                           | < 0.25                           | < 0.25                           |
| Trichloroethene           | 0.5                        | 5                       |                      | 20 J                                  | 14                                    |                                                    |                                       |                                       |                                                    |                                       |                                                      |                                       |                                       |                                       |                                      |                                                   |                                       |                                       |                                       |                                  |                                  |                                  |                                  |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | MW-7       | MW-7       | MW-8       | MW-8       | MW-8       | MW-8       | MW-8       | MW-8       | MW-9D      | MW-9D      | MW-9D <sup>3</sup> | MW-9D      | MW-9D      | MW-9D      | MW-9D      | MW-9D      | MW-9D      | MW-9D      | MW-9D      |            |
|----------------------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION     | STANDARD    | 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 |            |
| SAMPLE DATE                | LIMIT      |             | 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 |
| <b>VOCs</b>                |            |             |            |            |            |            |            |            |            |            |            |            |                    |            |            |            |            |            |            |            |            |            |
| 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     | < 0.31     | < 0.31             | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.46     | < 0.11     |
| 1,1,1-Trichloroethane      | 40         | 200         | < 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     |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 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     |
| 1,1-Dichloroethene         | 0.7        | 7           | < 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     |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 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    |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 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     |
| 1,2-Dichlorobenzene        | 60         | 600         | < 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    |
| 1,2-Dichloroethane         | 0.5        | 5           | < 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    |
| 1,2-Dichloropropane        | 0.5        | 5           | < 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     |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 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    |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 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    |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 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    |
| 2-Butanone                 | 800        | 4000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | < 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         | < 0.77     |
| Acetone                    | 1800       | 9000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.4      |
| Benzene                    | 0.5        | 5           | < 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    |
| Bromodichloromethane       | 0.06       | 0.6         | < 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    |
| Bromoform                  | 0.44       | 4.4         | < 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    |
| Bromomethane               | 1          | 10          | < 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     |
| Carbon disulfide           | 200        | 1000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | 0.16 J     |
| Carbon tetrachloride       | 0.5        | 5           | < 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    |
| Chloroethane               | 80         | 400         | < 0.34     | < 0.34     | < 1        | < 0.33     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 1        | < 0.33     | < 0.33             | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.47     | < 0.25     |
| Chloroform                 | 0.6        | 6           | < 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    |
| Chloromethane              | 3          | 30          | < 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    |
| cis-1,2-Dichloroethene     | 7          | 70          | < 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     |
| Di-isopropyl ether         | NE         | NE          | < 0.15     | < 0.15     | < 0.5      | < 0.27     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.5      | < 0.27     | < 0.27             | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.28     | < 0.15     |
| Dichlorodifluoromethane    | 200        | 1000        | < 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     |
| Ethylbenzene               | 140        | 700         | < 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    |
| Isopropylbenzene           | NE         | NE          | < 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    |
| m,p-Xylene                 | 400        | 2000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.057    |
| Methyl tert-butyl ether    | 12         | 60          | < 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     |
| Methylene chloride         | 0.5        | 5           | < 0.68     | < 0.68     | < 1        | < 0.63     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 1        | < 0.63     | < 0.63             | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 1.6      | < 0.14     |
| Naphthalene                | 10         | 100         | < 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    |
| n-Butylbenzene             | NE         | NE          | < 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     |
| n-Hexane                   | 120        | 600         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.21     |
| n-Propylbenzene            | NE         | NE          | < 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     |
| o-Xylene                   | 400        | 2000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA                 | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.058    |
| p-Isopropyltoluene         | NE         | NE          | < 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    |
| sec-Butylbenzene           | NE         | NE          | < 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     |
| Styrene                    | 10         | 100         | < 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    |
| tert-Butylbenzene          | NE         | NE          | < 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     |
| Tetrachloroethene          | 0.5        | 5           | < 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     |
| Toluene                    | 160        | 800         | < 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    |
| trans-1,2-Dichloroethene   | 20         | 100         | < 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     |
| Trichloroethene            | 0.5        | 5           | < 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.       |            |            |            |            |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-9D      | MW-9D      | MW-9D      | MW-9D <sup>3</sup> | MW-9D      | MW-9D      | MW-9D      | MW-9D      | MW-9D <sup>3</sup> | MW-9D      | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     |            |
|----------------------------|--------------|-------------|------------|------------|------------|--------------------|------------|------------|------------|------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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 | 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                |              |             | 10/04/2017 | 10/11/2018 | 10/16/2019 | 10/16/2019         | 10/14/2020 | 10/18/2021 | 10/19/2022 | 10/12/2023 | 10/12/2023         | 10/22/2024 | 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 |
| <b>VOCs</b>                |              |             |            |            |            |                    |            |            |            |            |                    |            |            |            |            |            |            |            |            |            |            |            |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.11     | < 0.11     | < 0.27     | < 0.27             | < 0.27     | < 0.36     | < 0.36     | < 0.46     | < 0.46             | < 0.16     | < 0.25     | < 0.31     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.46     | < 0.11     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.1      | < 0.10     | < 0.24     | < 0.24             | < 0.24     | < 0.30     | < 0.30     | < 0.38     | < 0.38             | < 0.39     | < 0.5      | < 0.26     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     | < 0.38     | < 0.10     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.1      | < 0.10     | < 0.55     | < 0.55             | < 0.55     | < 0.34     | < 0.34     | < 0.35     | < 0.35             | < 0.27     | < 0.25     | < 0.3      | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.35     | < 0.10     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.14     | < 0.14     | < 0.24     | < 0.24             | < 0.24     | < 0.58     | < 0.58     | < 0.39     | < 0.39             | < 0.23     | < 0.5      | < 0.29     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.39     | < 0.14     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.06     | < 0.060    | < 0.84     | < 0.84             | < 0.84     | < 0.45     | < 0.45     | < 0.36     | < 0.36             | < 0.15     | < 0.2      | < 0.22     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.36     | < 0.060    |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.13     | < 0.13     | < 0.83     | < 0.83             | < 0.83     | < 0.31     | < 0.31     | < 0.39     | < 0.39             | < 0.18     | < 0.2      | < 0.45     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.39     | < 0.13     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.076    | < 0.076    | < 0.71     | < 0.71             | < 0.71     | < 0.33     | < 0.33     | < 0.33     | < 0.33             | < 0.14     | < 0.2      | < 0.21     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.33     | < 0.076    |            |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.078    | < 0.078    | < 0.28     | < 0.28             | < 0.28     | < 0.29     | < 0.29     | < 0.39     | < 0.39             | < 0.28     | < 0.5      | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.39     | < 0.078    |            |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.1      | < 0.10     | < 0.28     | < 0.28             | < 0.28     | < 0.45     | < 0.45     | < 0.43     | < 0.43             | < 0.24     | < 0.5      | < 0.36     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.43     | < 0.10     |            |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.045    | < 0.045    | < 0.63     | < 0.63             | < 2.2      | < 1.0      | < 1.0      | < 0.46     | < 0.46             | < 1.2      | < 0.25     | < 0.36     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.46     | < 0.045    |            |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.077    | < 0.077    | < 0.95     | < 0.95             | < 0.95     | < 0.95     | < 0.95     | < 0.34     | < 0.34             | < 0.58     | < 0.25     | < 0.22     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.34     | < 0.077    |            |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.075    | < 0.075    | < 0.87     | < 0.87             | < 0.87     | < 0.36     | < 0.36     | < 0.25     | < 0.25             | < 0.12     | < 0.2      | < 0.23     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.25     | < 0.075    |            |
| 2-Butanone                 | 800          | 4000        | < 3        | < 3.0      | < 2.9      | < 2.9              | < 2.9      | < 6.5      | < 6.5      | < 2.1      | < 2.1              | < 4.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.0      |
| 2-Hexanone                 | NE           | NE          | < 0.95     | < 0.95     | < 2.5      | < 2.5              | < 5.2      | < 6.3      | < 6.3      | < 1.6      | < 1.6              | < 0.81     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.95     |            |
| 4-Methyl-2-pentanone       | 50           | 500         | < 0.77     | < 0.77     | < 1.5      | < 1.5              | < 4.6      | < 6.0      | < 6.0      | < 2.2      | < 2.2              | < 0.98     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.77     |            |
| Acetone                    | 1800         | 9000        | 17 BJ      | < 10 U     | < 2.7      | < 2.7              | < 2.7      | < 8.6      | < 8.6      | < 1.7      | < 1.7              | < 6.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.4      |            |
| Benzene                    | 0.5          | 5           | < 0.089    | < 0.089    | < 0.25     | < 0.25             | < 0.25     | < 0.30     | < 0.30     | < 0.15     | < 0.15             | < 0.14     | < 0.2      | < 0.12     | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.15     | 0.11 J     |            |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.077    | < 0.077    | < 0.36     | < 0.36             | < 0.36     | < 0.42     | < 0.42     | < 0.37     | < 0.37             | < 0.19     | < 0.2      | < 0.23     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.37     | < 0.077    |            |
| Bromoform                  | 0.44         | 4.4         | < 0.088    | < 0.088    | < 4.0      | < 4.0              | < 4.0      | < 3.8      | < 3.8      | < 0.48     | < 0.48             | < 0.25     | < 0.2      | < 0.45     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.48     | < 0.088    |            |
| Bromomethane               | 1            | 10          | < 0.59     | < 0.59     | < 0.97     | < 0.97             | < 0.97     | < 1.2      | < 1.2      | < 0.80     | < 0.80             | < 2.4      | < 0.5      | < 0.49     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31 *   | < 0.80     | < 0.59     |            |
| Carbon disulfide           | 200          | 1000        | < 0.053    | < 0.053    | < 0.37     | < 0.37             | < 0.45     | < 1.1      | < 1.1      | < 0.45     | < 0.45             | < 0.26     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.053    |            |
| Carbon tetrachloride       | 0.5          | 5           | 0.09 J     | < 0.038    | < 0.17     | < 0.17             | < 1.1      | < 0.37     | < 0.37     | < 0.38     | < 0.38             | < 0.23     | < 0.8      | < 0.28     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.38     | < 0.038    |            |
| Chloroethane               | 80           | 400         | < 0.25     | < 0.25     | < 1.3      | < 1.3              | < 1.3      | < 1.4      | < 1.4      | < 0.51     | < 0.51             | < 0.64     | < 1        | < 0.33     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.47     | < 0.25     |            |
| Chloroform                 | 0.6          | 6           | < 0.062    | < 0.062    | < 1.3      | < 1.3              | < 1.3      | < 1.2      | < 1.2      | < 0.37     | < 0.37             | < 0.36     | < 0.2      | < 0.25     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     | < 0.37     | < 0.062    |            |
| Chloromethane              | 3            | 30          | <b>4.7</b> | < 0.57 U   | < 2.2      | < 2.2              | < 2.2      | < 1.6      | < 1.6      | < 0.32     | < 0.32             | < 0.23     | < 0.3      | < 0.24     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.32     | 0.29 J     |            |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.11     | < 0.11     | < 0.27     | < 0.27             | < 0.27     | < 0.47 J   | < 0.47     | < 0.41     | < 0.41             | < 0.32     | <b>12</b>  | <b>11</b>  | <b>14</b>  | <b>16</b>  | <b>16</b>  | <b>18</b>  | <b>19</b>  | <b>24</b>  | <b>26</b>  | <b>32</b>  | 3.9        |
| Di-isopropyl ether         | NE           | NE          | < 0.15     | < 0.15     | < 1.9      | < 1.9              | < 1.9      | < 1.1      | < 1.1      | < 0.28     | < 0.28             | < 1.1      | < 0.5      | < 0.27     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.28     | < 0.15     |            |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.11     | 0.13 J     | < 0.50     | < 0.50             | < 0.50     | < 0.46     | < 0.46     | < 0.67     | < 0.67             | < 0.30     | < 0.5      | < 0.26     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     | < 0.54     | < 0.11     |            |
| Ethylbenzene               | 140          | 700         | < 0.054    | < 0.054    | < 0.22     | < 0.22             | < 0.32     | < 0.33     | < 0.33     | < 0.18     | < 0.18             | < 0.14     | < 0.5      | < 0.14     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.18     | < 0.054    |            |
| Isopropylbenzene           | NE           | NE          | < 0.081    | < 0.081    | < 0.39     | < 0.39             | < 1.7      | < 1.0      | < 1.0      | < 0.39 JJ  | < 0.39 JJ          | < 0.16     | < 0.2      | < 0.21     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.39     | < 0.081    |            |
| m,p-Xylene                 | 400          | 2000        | < 0.057    | < 0.057    | < 0.47     | < 0.47             | < 0.47     | < 0.70     | < 0.70     | < 0.18     | < 0.18             | < 0.36     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.057    |            |
| Methyl tert-butyl ether    | 12           | 60          | < 0.14     | < 0.14     | < 1.2      | < 1.2              | < 1.2      | < 1.1 J    | < 1.1      | < 0.39     | < 0.39             | < 0.25     | 7.4        | 9.3        | <b>20</b>  | 10         | <b>12</b>  | <b>15</b>  | 9.6        | <b>12</b>  | <b>17</b>  | <b>24</b>  | <b>18</b>  |
| Methylene chloride         | 0.5          | 5           | < 0.14     | < 0.56 U   | < 0.58     | < 0.58             | < 0.58     | < 0.32     | < 0.32     | < 1.6      | < 2.2 U            | < 0.94     | < 1        | <b>8.8</b> | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 1.6      | 0.17 J     |            |
| Naphthalene                | 10           | 100         | < 0.088    | < 0.13 U   | < 1.2      | < 1.2              | < 1.2      | < 1.1      | < 1.1      | < 0.34     | < 0.34             | < 0.99     | < 0.25     | < 0.24     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 0.34     | < 0.088    |            |
| n-Butylbenzene             | NE           | NE          | < 0.14     | < 0.14     | < 0.71     | < 0.71             | < 0.71     | < 0.86     | < 0.86     | < 0.39     | < 0.39             | < 0.23     | < 0.2      | < 0.21     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.39     | < 0.14     |            |
| n-Hexane                   | 120          | 600         | < 0.21     | < 0.21     | < 1.7      | < 1.7              | < 1.7      | < 1.5      | < 1.5      | < 0.49 UJ  | < 0.49 UJ          | < 0.16     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.21     |            |
| n-Propylbenzene            | NE           | NE          | < 0.1      | < 0.10     | < 0.81     | < 0.81             | < 0.81     | < 0.35     | < 0.35     | < 0.41     | < 0.41             | < 0.18     | < 0.5      | < 0.19     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.41     | < 0.10     |            |
| o-Xylene                   | 400          | 2000        | < 0.058    | < 0.058    | < 0.26     | < 0.26             | < 0.26     | < 0.35     | < 0.35     | < 0.22     | < 0.22             | < 0.11     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.058    |            |
| p-Isopropyltoluene         | NE           | NE          | < 0.085    | < 0.085    | < 0.80     | < 0.80             | < 0.80     | < 1.0      | < 1.0      | < 0.36     | < 0.36             | < 0.19     | < 0.2      | < 0.24     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.36     | < 0.085    |            |
| sec-Butylbenzene           | NE           | NE          | < 0.13     | < 0.13     | < 0.85     | < 0.85             | < 0.85     | < 0.42     | < 0.42     | < 0.40     | < 0.40             | < 0.20     | < 0.25     | < 0.19     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.40     | < 0.13     |            |
| Styrene                    | 10           | 100         | 0.08 BJ    | < 0.065    | < 0.47     | < 0.47             | < 3.0      | < 0.36     | < 0.36     | < 0.39     | < 0.39             | < 0.13     | < 0.5      | < 0.26     | < 0.1      | < 0.1      | < 0.1      | < 0.1      | < 0.10     | < 0.10     | < 0.39     | < 0.065    |            |
| tert-Butylbenzene          | NE           | NE          | < 0.12     | < 0.12     | < 0.30     | < 0.30             | < 0.30     | < 0.59     | < 0.59     | < 0.40     | < 0.40             | < 0.18     | < 0.2      | < 0.24     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.40     | < 0.12     |            |
| Tetrachloroethene          | 0.5          | 5           | < 0.081    | < 0.081    | < 0.33     | < 0.33             | < 0.33     | < 0.41     | < 0.41     | < 0.37     | < 0.37             | < 0.40     |            |            |            |            |            |            |            |            |            |            |            |
| Toluene                    | 160          | 800         | < 0.053    | 0.060 J    | < 0.17     | < 0.17             | < 0.27     | < 0.29     | < 0.29     | < 0.15     | < 0.15             | < 0.32     | < 0.5      | < 0.15     | < 0.11     | < 0.11     | < 0.11     | < 0.11     | < 0.11     | < 0.11     | < 0.15     | < 0.053    |            |
| trans-1,2-Dichloroethene   |              |             |            |            |            |                    |            |            |            |            |                    |            |            |            |            |            |            |            |            |            |            |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2        | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2     | MW-9D2 <sup>3</sup> | MW-9D2      | MW-9D2      | MW-9D2      | MW-9D2      | MW-9D2 <sup>3</sup> | MW-9D2       | MW-9D2      | MW-9D2        | MW-9D2     | MW-9D2     | MW-9D2       |              |
|----------------------------|--------------|-------------|------------|------------|------------|---------------|------------|------------|------------|------------|---------------------|-------------|-------------|-------------|-------------|---------------------|--------------|-------------|---------------|------------|------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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                |              |             | 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  | 10/14/2020  | 04/14/2021  | 10/18/2021          | 10/18/2021   | 04/26/2022  | 10/19/2022    | 4/11/2023  | 10/12/2023 | 04/24/2024   | 10/22/2024   |
| VOCs                       |              |             |            |            |            |               |            |            |            |            |                     |             |             |             |             |                     |              |             |               |            |            |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.11     | < 0.11     | < 0.11     | < 0.11        | < 0.11     | < 0.11     | < 0.11     | < 0.11     | < 0.22              | < 0.54      | < 0.27      | < 0.27      | < 0.36      | < 0.36              | < 0.36       | < 0.71      | < 1.8         | < 0.46     | < 0.46     | < 0.46       | < 0.78 UJ    |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.10     | < 0.10     | < 0.10     | < 0.10        | < 0.10     | < 0.1      | < 0.10     | < 0.10     | < 0.20              | < 0.49      | < 0.24      | < 0.24      | < 0.30      | < 0.30              | < 0.30       | < 0.61      | < 1.5         | < 0.38     | < 0.38     | < 0.38       | < 2.0 UJ     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.10     | < 0.10     | < 0.10     | < 0.10        | < 0.10     | < 0.1      | < 0.10     | < 0.10     | < 0.20              | < 1.1       | < 0.55      | < 0.55      | < 0.34      | < 0.34              | < 0.34       | < 0.69      | < 1.7         | < 0.35     | < 0.35     | < 0.35       | < 1.4 UJ     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.14     | < 0.14     | < 0.14     | < 0.14        | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.28              | < 0.49      | < 0.24      | < 0.24      | < 0.58      | < 0.58              | < 0.58       | < 1.2       | < 2.9         | < 0.39     | < 0.39     | < 0.39       | < 1.2 UJ     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.060    | < 0.060    | < 0.060    | < 0.060       | < 0.060    | < 0.06     | < 0.060    | < 0.060    | < 0.12              | < 1.7       | < 0.84      | < 0.84      | < 0.45      | < 0.45              | < 0.45       | < 0.90      | < 2.2         | < 0.73 U   | < 0.36     | < 0.36       | < 0.75 UJ    |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.13     | < 0.13     | < 0.13     | < 0.13        | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.26              | < 1.7       | < 0.83      | < 0.83      | < 0.31      | < 0.31              | < 0.31       | < 0.62      | < 1.5         | < 0.39     | < 0.39     | < 0.39       | < 0.92 UJ    |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.076    | < 0.076    | < 0.076    | < 0.076       | < 0.076    | < 0.076    | < 0.076    | < 0.076    | < 0.15              | < 1.4       | < 0.71      | < 0.71      | < 0.33      | < 0.33              | < 0.33       | < 0.65      | < 1.6         | < 0.33     | < 0.33     | < 0.33       | < 0.72 UJ    |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.078    | < 0.078    | < 0.078    | < 0.078       | < 0.078    | < 0.078    | < 0.078    | < 0.078    | < 0.16              | < 0.56      | < 0.28      | < 0.28      | < 0.29      | < 0.29              | < 0.29       | < 0.58      | < 1.5         | < 0.39     | < 0.39     | < 0.39       | < 1.4 UJ     |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.10     | < 0.10     | < 0.10     | < 0.10        | < 0.10     | < 0.1      | < 0.10     | < 0.10     | < 0.20              | < 0.57      | < 0.28      | < 0.28      | < 0.45      | < 0.45              | < 0.45       | < 0.90      | < 2.2         | < 0.43     | < 0.43     | < 0.43       | < 1.2 UJ     |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.045    | < 0.045    | < 0.045    | < 0.045       | < 0.045    | < 0.045    | < 0.045    | < 0.045    | < 0.090             | < 1.3       | < 0.63      | < 2.2       | < 1.0       | < 1.0               | < 1.0        | < 2.0       | < 5.1         | < 0.46     | < 0.46     | < 0.46       | < 6.0 UJ     |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.077    | < 0.077    | < 0.077    | < 0.077       | < 0.077    | < 0.077    | < 0.077    | < 0.077    | < 0.15              | < 1.9       | < 0.95      | < 0.95      | < 0.95      | < 0.95              | < 0.95       | < 1.9       | < 4.8         | < 0.34     | < 0.34     | < 0.34       | < 2.9 UJ     |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.075    | < 0.075    | < 0.075    | < 0.075       | < 0.075    | < 0.075    | < 0.075    | < 0.075    | < 0.15              | < 1.7       | < 0.87      | < 0.87      | < 0.36      | < 0.36              | < 0.36       | < 0.71      | < 1.8         | < 0.25     | < 0.25     | < 0.25       | < 0.61 UJ    |
| 2-Butanone                 | 800          | 4000        | < 3.0      | < 3.0      | < 3.0      | < 3.0         | < 3.0      | < 3        | < 3.0      | < 3.0      | < 6.0               | < 5.9       | < 2.9       | < 2.9       | < 6.5       | < 6.5               | < 6.5        | < 13.0      | < 32.6        | < 2.1 UJ   | < 2.1      | < 2.1        | < 23 UJ      |
| 2-Hexanone                 | NE           | NE          | < 0.95     | < 0.95     | < 0.95     | < 0.95        | < 0.95     | < 0.95     | < 0.95     | < 0.95     | < 1.9               | < 4.9       | < 2.5       | < 5.2       | < 6.3       | < 6.3               | < 6.3        | < 12.6      | < 31.4        | < 1.6 UJ   | < 1.6      | < 1.6        | < 4.1 UJ     |
| 4-Methyl-2-pentanone       | 50           | 500         | < 0.77     | < 0.77     | < 0.77     | < 0.77        | < 0.77     | < 0.77     | < 0.77     | < 0.77     | < 1.5               | < 3.1       | < 1.5       | < 4.6       | < 6.0       | < 6.0               | < 6.0        | < 11.9      | < 29.8        | < 2.2 UJ   | < 2.2      | < 2.2        | < 4.9 UJ     |
| Acetone                    | 1800         | 9000        | < 3.4      | < 3.4      | < 3.4      | < 3.4         | < 3.4      | 6.4 BJ     | < 3.4      | < 6.7 U    | < 6.8               | < 5.5       | < 2.7       | < 2.7       | < 8.6       | < 8.6               | < 8.6        | < 17.3      | < 43.2        | 4.8 J      | < 1.7      | < 1.7        | < 33 UJ      |
| Benzene                    | 0.5          | 5           | < 0.089    | < 0.089    | < 0.089    | < 0.089       | < 0.089    | 0.09 J     | < 0.089    | 0.14 J     | < 0.18              | < 0.49      | < 0.25      | < 0.25      | < 0.30      | < 0.30              | < 0.30       | < 0.59      | < 1.5         | 0.15 J     | < 0.15     | < 0.15       | < 0.72 UJ    |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.077    | < 0.077    | < 0.077    | < 0.077       | < 0.077    | < 0.077    | < 0.077    | < 0.077    | < 0.15              | < 0.73      | < 0.36      | < 0.36      | < 0.42      | < 0.42              | < 0.42       | < 0.83      | < 2.1         | < 0.37     | < 0.37     | < 0.37       | < 0.94 UJ    |
| Bromoform                  | 0.44         | 4.4         | < 0.088    | < 0.088    | < 0.088    | < 0.088       | < 0.088    | < 0.088    | < 0.088    | < 0.088    | < 0.18              | < 7.9       | < 4.0       | < 4.0       | < 3.8       | < 3.8               | < 3.8        | < 7.6       | < 19.0        | < 0.48     | < 0.48     | < 0.48       | < 1.2 UJ     |
| Bromomethane               | 1            | 10          | < 0.59     | < 0.59     | < 0.59     | < 0.59        | < 0.59     | < 0.59     | < 0.59     | < 0.59     | < 1.2               | < 1.9       | < 0.97      | < 0.97      | < 1.2       | < 1.2               | < 1.2        | < 2.4       | < 6.0         | < 0.80 UJ  | < 0.80     | < 0.80       | < 12 UJ      |
| Carbon disulfide           | 200          | 1000        | < 0.053    | < 0.053    | < 0.053    | < 0.053       | < 0.053    | < 0.053    | < 0.053    | < 0.053    | < 0.11              | < 0.75      | < 0.37      | < 0.45      | < 1.1       | < 1.1               | < 1.1        | < 2.2       | < 5.5         | < 0.45     | < 0.45     | < 0.45       | < 1.3 UJ     |
| Carbon tetrachloride       | 0.5          | 5           | < 0.038    | < 0.038    | < 0.038    | < 0.038       | < 0.038    | < 0.038    | < 0.038    | < 0.038    | < 0.076             | < 0.33      | < 0.17      | < 1.1       | < 0.37      | < 0.37              | < 0.37       | < 0.74      | < 1.8         | < 0.38     | < 0.38     | < 0.38       | < 1.1 UJ     |
| Chloroethane               | 80           | 400         | < 0.25     | < 0.25     | < 0.25     | < 0.25        | < 0.25     | < 0.25     | < 0.25     | < 0.50     | < 0.25              | < 2.7       | < 1.3       | < 1.3       | < 1.4       | < 1.4               | < 1.4        | < 2.8       | < 6.9         | < 0.51     | < 0.51     | < 0.51       | < 3.2 UJ     |
| Chloroform                 | 0.6          | 6           | < 0.062    | < 0.062    | < 0.062    | < 0.062       | < 0.062    | < 0.062    | < 0.062    | < 0.062    | < 0.12              | < 2.5       | < 1.3       | < 1.3       | < 1.2       | < 1.2               | < 1.2        | < 2.4       | < 5.9         | < 0.37     | < 0.37     | < 0.37       | < 1.8 UJ     |
| Chloromethane              | 3            | 30          | < 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       | < 2.2       | < 1.6       | < 1.6               | < 1.6        | < 3.3       | < 8.2         | < 1.3 U    | < 0.32     | < 0.32       | < 1.1 UJ     |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>34</b>  | <b>31</b>  | <b>35</b>  | 1.0 B         | 1.5        | <b>32</b>  | 1.7        | <b>53</b>  | <b>54</b>           | <b>64.1</b> | <b>50.7</b> | <b>103</b>  | <b>103</b>  | <b>10.5 J</b>       | <b>7.1 J</b> | <b>85.1</b> | <b>85.8</b>   | <b>93</b>  | <b>95</b>  | <b>74 J+</b> | <b>68 J+</b> |
| Di-isopropyl ether         | NE           | NE          | < 0.15     | < 0.15     | < 0.15     | < 0.15        | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.30              | < 3.8       | < 1.9       | < 1.9       | < 1.1       | < 1.1               | < 1.1        | < 2.2       | < 5.5         | < 0.28     | < 0.28     | < 0.28       | < 5.5 UJ     |
| Dichlorodifluoromethane    | 200          | 1000        | 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      | < 0.50      | 0.48 J      | < 0.46              | < 0.46       | < 0.91      | < 2.3         | < 0.67     | < 0.67     | < 0.67       | < 1.5 UJ     |
| Ethylbenzene               | 140          | 700         | < 0.054    | < 0.054    | < 0.054    | < 0.054       | < 0.054    | < 0.054    | < 0.054    | < 0.054    | < 0.11              | < 0.44      | < 0.22      | < 0.32      | < 0.33      | < 0.33              | < 0.33       | < 0.65      | < 1.6         | < 0.18     | < 0.18     | < 0.18       | < 0.72 UJ    |
| Isopropylbenzene           | NE           | NE          | < 0.081    | < 0.081    | < 0.081    | < 0.081       | < 0.081    | < 0.081    | < 0.081    | < 0.081    | < 0.16              | < 0.79      | < 0.39      | < 1.7       | < 1.0       | < 1.0               | < 1.0        | < 2.0       | < 5.0         | < 0.39     | < 0.39 J-  | < 0.39       | < 0.79 UJ    |
| m,p-Xylene                 | 400          | 2000        | < 0.057    | < 0.057    | < 0.057    | < 0.057       | < 0.057    | < 0.057    | < 0.057    | < 0.057    | < 0.11              | < 0.93      | < 0.47      | < 0.47      | < 0.70      | < 0.70              | < 0.70       | < 1.4       | < 3.5         | < 0.18     | < 0.18     | < 0.18       | < 1.8 UJ     |
| Methyl tert-butyl ether    | 12           | 60          | <b>21</b>  | <b>28</b>  | <b>29</b>  | 2.9 J+        | 2.4        | <b>38</b>  | < 0.14     | <b>54</b>  | <b>54</b>           | <b>30</b>   | <b>47.3</b> | <b>17.3</b> | <b>14.1</b> | <b>13.2 J</b>       | 8.4 J        | 10.2        | <b>23.6 J</b> | 7.0        | 6.3        | 5.6 J+       | 3.0 J        |
| Methylene chloride         | 0.5          | 5           | < 0.14     | < 0.14     | < 0.14     | <b>1.4 BJ</b> | < 0.14     | < 0.14     | < 0.14     | < 0.29 U   | < 0.28              | < 1.2       | < 0.58      | < 0.58      | < 0.32      | < 0.32              | < 0.32       | < 0.64      | < 1.6         | < 1.6      | < 2.4 U    | < 1.6        | < 4.7 UJ     |
| Naphthalene                | 10           | 100         | < 0.088    | < 0.088    | < 0.088    | < 0.088       | < 0.088    | < 0.088    | < 0.088    | < 0.088    | < 0.18              | < 2.4       | < 1.2       | < 1.2       | < 1.1       | < 1.1               | < 1.1        | < 2.3       | < 5.6         | < 0.34     | < 0.34     | < 0.34       | < 5.0 UJ     |
| n-Butylbenzene             | NE           | NE          | < 0.14     | < 0.14     | < 0.14     | < 0.14        | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.28              | < 1.4       | < 0.71      | < 0.71      | < 0.86      | < 0.86              | < 0.86       | < 1.7       | < 4.3         | < 0.39     | < 0.39     | < 0.39       | < 1.2 UJ     |
| n-Hexane                   | 120          | 600         | < 0.21     | < 0.21     | < 0.21     | < 0.21        | < 0.21     | < 0.21     | < 0.21     | < 0.21     | < 0.42              | < 3.4       | < 1.7       | < 1.7       | < 1.5       | < 1.5               | < 1.5        | < 2.9       | < 7.3         | < 0.49     | < 0.49 UJ  | < 0.49       | < 0.82 UJ    |
| n-Propylbenzene            | NE           | NE          | < 0.10     | < 0.10     | < 0.10     | < 0.10        | < 0.10     | < 0.1      | < 0.10     | < 0.10     | < 0.20              | < 1.6       | < 0.81      | < 0.81      | < 0.35      | < 0.35              | < 0.35       | < 0.69      | < 1.7         | < 0.41     | < 0.41     | < 0.41       | < 0.92 UJ    |
| o-Xylene                   | 400          | 2000        | < 0.058    | < 0.058    | < 0.058    | < 0.058       | < 0.058    | < 0.058    | < 0.058    | < 0.058    | < 0.12              | < 0.52      | < 0.26      | < 0.26      | < 0.35      | < 0.35              | < 0.35       | < 0.70      | < 1.7         | < 0.22     | < 0.22     | < 0.22       | < 0.57 UJ    |
| p-Isopropyltoluene         | NE           | NE          | < 0.085    | < 0.085    | < 0.085    | < 0.085       | < 0.085    | < 0.085    | < 0.085    | < 0.085    | < 0.17              | < 1.6       | < 0.80      | < 0.80      | < 1.0       | < 1.0               | < 1.0        | < 2.1       | < 5.2         | < 0.36     | < 0.36     | < 0.36       | < 0.93 UJ    |
| sec-Butylbenzene           | NE           | NE          | < 0.13     | < 0.13     | < 0.13     | < 0.13        | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.26              | < 1.7       | < 0.85      | < 0.85      | < 0.42      | < 0.42              | < 0.42       | < 0.85      | < 2.1         | < 0.40     | < 0.40     | < 0.40       | < 1.0 UJ     |
| Styrene                    | 10           | 100         |            |            |            |               |            |            |            |            |                     |             |             |             |             |                     |              |             |               |            |            |              |              |



**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

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Notes on Page 68.

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-12S     | MW-12S     | MW-12S     | MW-12S     | MW-12S     | MW-12S     | 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       | MP-13       | MP-13       |            |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|---------------|------------|---------------|------------|---------------|------------|--------------|------------|--------------|---------------|---------------|------------|------------|-------------|-------------|-------------|------------|
| SCREEN INTERVAL (feet bgs) | PREVENTIVE   | ENFORCEMENT | 3 - 13 ft  | 3 - 13 ft  | 3 - 13 ft  | 3 - 13 ft  | 3 - 13 ft  | 3 - 13 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 | 44 - 48 ft  | 44 - 48 ft  | 44 - 48 ft  |            |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 04/12/2012 | 05/09/2012 | 01/16/2013 | 04/17/2013 | 07/18/2013 | 10/04/2013 | 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  | 10/12/2020  | 10/11/2021  | 10/18/2022 |
| VOCs                       |              |             |            |            |            |            |            |            |               |            |               |            |               |            |              |            |              |               |               |            |            |             |             |             |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.31     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 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      | < 0.27      | < 0.36      | < 0.89     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.26     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 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      | < 0.24      | < 0.30      | < 0.76     |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.3      | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 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      | < 0.55      | < 0.34      | < 0.86     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.29     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | <b>0.92 J</b> | <b>1.1</b> | <b>0.88 J</b> | < 0.62     | <b>0.85 J</b> | <b>1.1</b> | <b>1.3 J</b> | < 0.62     | <b>1.4 J</b> | <b>0.73 J</b> | < 1.4         | < 0.56     | < 0.14     | < 0.24      | < 0.24      | < 0.58      | < 1.5      |
| 1,2,4-Trimethylbenzene     | 96           | 480         | 1.2        | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 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      | < 0.84      | < 0.45      | < 1.1      |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.45     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 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      | < 0.83      | < 0.31      | < 0.77     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.21     | < 0.27     | 0.79 J     | < 0.27     | < 0.27     | < 0.27     | < 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      | < 0.71      | < 0.33      | < 0.81     |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28        | < 0.28     | < 0.28        | < 0.56     | < 0.28        | < 0.28     | < 0.56       | < 0.56     | < 0.56       | < 0.39        | < 0.78        | < 0.31     | < 0.078    | < 0.28      | < 0.28      | < 0.29      | < 0.73     |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.36     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 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      | < 0.28      | < 0.45      | < 1.1      |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.36     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 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      | < 2.2       | < 1.0       | < 2.5      |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.22     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 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      | < 0.95      | < 0.95      | < 2.4      |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.23     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 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      | < 0.87      | < 0.36      | < 0.89     |
| 2-Butanone                 | 800          | 4000        | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 30          | < 12       | < 3.0      | < 2.9       | < 2.9       | < 6.5       | < 16.3     |
| 2-Hexanone                 | NE           | NE          | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 9.5         | < 3.8      | < 0.95     | < 2.5       | < 5.2       | < 6.3       | < 15.7     |
| 4-Methyl-2-pentanone       | 50           | 500         | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 7.7         | < 3.1      | < 0.77     | < 1.5       | < 4.6       | < 6.0       | < 14.9     |
| Acetone                    | 1800         | 9000        | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 34          | < 14       | < 4.7 U    | < 2.7       | < 2.7       | < 8.6       | < 21.6     |
| Benzene                    | 0.5          | 5           | < 0.12     | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | 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      | < 0.25      | < 0.30      | < 0.74     |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.23     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 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      | < 0.36      | < 0.42      | < 1.0      |
| Bromoform                  | 0.44         | 4.4         | < 0.45     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 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       | < 4.0       | < 3.8       | < 9.5      |
| Bromomethane               | 1            | 10          | < 0.49     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 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      | < 0.97      | < 1.2       | < 3.0      |
| Carbon disulfide           | 200          | 1000        | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 0.53        | < 0.21     | < 0.053    | < 0.37      | < 0.45      | < 1.1       | < 2.8      |
| Carbon tetrachloride       | 0.5          | 5           | < 0.28     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 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      | < 1.1       | < 0.37      | < 0.92     |
| Chloroethane               | 80           | 400         | < 0.33     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34        | < 0.34     | < 0.34        | < 0.68     | < 0.34        | < 0.34     | < 0.68       | < 0.68     | < 0.68       | < 0.47        | < 2.5         | < 1        | < 0.25     | < 1.3       | < 1.3       | < 1.4       | < 3.4      |
| Chloroform                 | 0.6          | 6           | < 0.25     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 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       | < 1.3       | < 1.2       | < 3.0      |
| Chloromethane              | 3            | 30          | < 0.24     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18        | < 0.18     | < 0.18        | < 0.36     | < 0.18        | < 0.18     | < 0.36       | < 0.36     | < 0.36       | < 0.32        | <b>4.3 BJ</b> | < 0.64     | < 0.16     | < 2.2       | < 2.2       | < 1.6       | < 4.1      |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.22     | < 0.12     | < 0.12     | < 0.12     | < 0.12     | < 0.12     | <b>540</b>    | <b>450</b> | <b>460</b>    | <b>460</b> | <b>430</b>    | <b>480</b> | <b>450</b>   | <b>440</b> | <b>360</b>   | <b>220</b>    | <b>97</b>     | <b>50</b>  | <b>26</b>  | <b>17.5</b> | <b>10.9</b> | <b>18.4</b> | <b>28</b>  |
| Di-isopropyl ether         | NE           | NE          | < 0.27     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15        | < 0.15     | < 0.15        | < 0.3      | < 0.15        | < 0.15     | < 0.30       | < 0.30     | < 0.30       | < 0.28        | < 1.5         | < 0.6      | < 0.15     | < 1.9       | < 1.9       | < 1.1       | < 2.8      |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.26     | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 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      | < 0.50      | < 0.46      | < 1.1      |
| Ethylbenzene               | 140          | 700         | < 0.14     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 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      | < 0.32      | < 0.33      | < 0.81     |
| Isopropylbenzene           | NE           | NE          | < 0.21     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 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      | < 1.7       | < 1.0       | < 2.5      |
| m,p-Xylene                 | 400          | 2000        | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 0.57        | < 0.23     | < 0.057    | < 0.47      | < 0.47      | < 0.70      | < 1.8      |
| Methyl tert-butyl ether    | 12           | 60          | < 0.28     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 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       | < 1.2       | < 1.1       | < 2.8      |
| Methylene chloride         | 0.5          | 5           | < 0.63     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 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      | < 0.58      | < 0.32      | < 0.80     |
| Naphthalene                | 10           | 100         | < 0.24     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 0.16     | < 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       | < 1.2       | < 1.1       | < 2.8      |
| n-Butylbenzene             | NE           | NE          | < 0.21     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 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      | < 0.71      | < 0.86      | < 2.1      |
| n-Hexane                   | 120          | 600         | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 2.1         | < 0.84     | < 0.21     | < 1.7       | < 1.7       | < 1.5       | < 3.7      |
| n-Propylbenzene            | NE           | NE          | < 0.19     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 0.13     | < 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      | < 0.81      | < 0.35      | < 0.86     |
| o-Xylene                   | 400          | 2000        | NA         | NA         | NA         | NA         | NA         | NA         | NA            | NA         | NA            | NA         | NA            | NA         | NA           | NA         | NA           | NA            | < 0.58        | < 0.23     | < 0.058    | < 0.26      | < 0.26      | < 0.35      | < 0.87     |
| p-Isopropyltoluene         | NE           | NE          | < 0.24     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 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      | < 0.80      | < 1.0       | < 2.6      |
| sec-Butylbenzene           | NE           | NE          | < 0.19     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 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</    |             |             |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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      | MP-13      | MP-13      | MP-13      | MP-13      | MP-13      | MP-13      | MP-13      | MP-13      | MP-13      |  |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 44 - 48 ft | 44 - 48 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 | 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                |              |             | 10/10/2023 | 10/21/2024 | 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 | 10/12/2020 | 10/16/2021 | 10/18/2022 | 10/10/2023 | 10/21/2024 | 12/06/2012 | 12/12/2012 |  |
| VOCs                       |              |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |  |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.46     | < 0.31     | < 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     | < 0.27     | < 0.36     | < 0.36     | < 0.46     | < 0.16     | < 2.5      | NA         |  |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38     | < 0.78     | < 1        | < 1        | < 1        | < 2        | < 1        | < 1        | < 1.0      | < 1.0      | < 1.0      | < 0.76     | < 1.0      | < 0.2      | < 0.10     | < 0.24     | < 0.24     | < 0.30     | < 0.30     | < 0.38     | < 0.39     | < 2        | NA         |  |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.35     | < 0.54     | < 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     | < 0.55     | < 0.34     | < 0.34     | < 0.35     | < 0.27     | < 2.8      | NA         |  |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39     | < 0.46     | 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     | < 0.24     | < 0.58     | < 0.58     | < 0.39     | < 0.23     | < 3.1      | NA         |  |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.36     | < 0.30     | < 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     | < 0.84     | < 0.45     | < 0.45     | < 0.36     | < 0.15     | < 1.4      | NA         |  |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.39     | < 0.37     | < 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     | < 0.83     | < 0.31     | < 0.31     | < 0.39     | < 0.18     | < 3.6      | NA         |  |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33     | < 0.29     | < 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     | < 0.71     | < 0.33     | < 0.33     | < 0.33     | < 0.14     | < 2.7      | NA         |  |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39     | < 0.56     | < 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     | < 0.28     | < 0.29     | < 0.29     | < 0.39     | < 0.28     | < 2.8      | NA         |  |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.43     | < 0.49     | < 1        | < 1        | < 1        | < 2        | < 1        | < 1        | < 1.0      | < 1.0      | < 1.0      | < 0.86     | < 1.0      | < 0.2      | < 0.10     | < 0.28     | < 0.28     | < 0.45     | < 0.45     | < 0.43     | < 0.24     | < 2        | NA         |  |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.46     | < 2.4      | < 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     | < 2.2      | < 1.0      | < 1.0      | < 0.46     | < 1.2      | < 2.4      | NA         |  |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.34     | < 1.2      | < 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     | < 0.95     | < 0.95     | < 0.95     | < 0.34     | < 0.58     | < 3.1      | NA         |  |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.25     | < 0.24     | < 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     | < 0.87     | < 0.36     | < 0.36     | < 0.25     | < 0.12     | < 1.8      | NA         |  |
| 2-Butanone                 | 800          | 4000        | < 2.1      | < 9.2      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 30       | < 6        | < 3.0      | < 2.9      | < 2.9      | < 6.5      | < 6.5      | < 2.1      | < 4.6      | NA         | NA         |  |
| 2-Hexanone                 | NE           | NE          | < 1.6      | < 1.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 9.5      | < 1.9      | < 0.95     | < 2.5      | < 5.2      | < 6.3      | < 6.3      | < 1.6      | < 0.81     | NA         | NA         |  |
| 4-Methyl-2-pentanone       | 50           | 500         | < 2.2      | < 2.0      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 7.7      | < 1.5      | < 0.77     | < 1.5      | < 4.6      | < 6.0      | < 6.0      | < 2.2      | < 0.98     | NA         | NA         |  |
| Acetone                    | 1800         | 9000        | < 3.2 U    | < 13       | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 34       | < 6.8      | < 3.4      | < 2.7      | < 2.7      | < 8.6      | < 8.6      | < 4.4 U    | < 6.6      | NA         | NA         |  |
| Benzene                    | 0.5          | 5           | < 0.15     | < 0.29     | < 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     | < 0.25     | < 0.30     | < 0.30     | < 0.15     | < 0.14     | < 0.74     | NA         |  |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.37     | < 0.37     | < 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     | < 0.36     | < 0.42     | < 0.42     | < 0.37     | < 0.19     | < 1.7      | NA         |  |
| Bromoform                  | 0.44         | 4.4         | < 0.48     | < 0.49     | < 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      | < 4.0      | < 3.8      | < 3.8      | < 0.48     | < 0.25     | < 2.8      | NA         |  |
| Bromomethane               | 1            | 10          | < 0.80     | < 4.7      | < 1.6      | < 1.6      | < 1.6      | < 3.1      | < 1.6      | < 1.6      | < 1.6      | < 1.6      | < 1.6 *    | < 1.6      | < 1.6      | < 5.9      | < 1.2      | < 0.59     | < 0.97     | < 0.97     | < 1.2      | < 1.2      | < 0.80     | < 2.4      | NA         |  |
| Carbon disulfide           | 200          | 1000        | < 0.45     | < 0.51     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.53     | < 0.11     | < 0.053    | < 0.37     | < 0.45     | < 1.1      | < 1.1      | < 0.45     | < 0.26     | NA         | NA         |  |
| Carbon tetrachloride       | 0.5          | 5           | < 0.38     | < 0.45     | < 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     | < 1.1      | < 0.37     | < 0.37     | < 0.38     | < 0.23     | < 2.6      | NA         |  |
| Chloroethane               | 80           | 400         | < 0.51     | < 1.3      | < 1.7      | < 1.7      | < 1.7      | < 3.4      | < 1.7      | < 1.7      | < 1.7      | < 1.7      | < 1.7      | < 0.94     | < 2.5      | < 0.5      | < 0.25     | < 1.3      | < 1.3      | < 1.4      | < 1.4      | < 0.51     | < 0.64     | < 3.4      | NA         |  |
| Chloroform                 | 0.6          | 6           | 0.52 J     | < 0.72     | < 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      | < 1.3      | < 1.2      | < 1.2      | < 0.37     | 0.38 J     | < 2        | NA         |  |
| Chloromethane              | 3            | 30          | < 0.32     | < 0.45     | < 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      | < 2.2      | < 1.6      | < 1.6      | < 0.32     | < 0.23     | < 1.8      | NA         |  |
| cis-1,2-Dichloroethene     | 7            | 70          | 40         | 48         | 3500       | 3100       | 2900       | 3200       | 2300       | 1500       | 1300       | 810        | 710        | 470        | 89         | 24         | 14         | 5.5        | 1.5        | 2.3        | 1.2        | 0.96 J     | 1.2        | 1900       | NA         |  |
| Di-isopropyl ether         | NE           | NE          | < 0.28     | < 2.2      | < 0.75     | < 0.75     | < 0.75     | < 1.5      | < 0.75     | < 0.75     | < 0.75     | < 0.75     | < 0.75     | < 0.55     | < 1.5      | < 0.3      | < 0.15     | < 1.9      | < 1.9      | < 1.1      | < 1.1      | < 0.28     | < 1.1      | < 1.5      |            |  |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> | MP-13      | MP-13 <sup>3</sup> |  |
|----------------------------|--------------|-------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|--|
| 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 | 81 - 85 ft         |  |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 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 | 04/12/2015         | 04/16/2015 | 10/09/2015         | 10/08/2015 | 10/14/2016         | 10/03/2017 | 10/09/2018         | 10/08/2019 | 10/12/2020         | 10/11/2021 | 10/18/2022         |  |
| VOCs                       |              |             |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |  |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | 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      | <1.3               | <0.36      | <1.4               |  |
| 1,1,1-Trichloroethane      | 40           | 200         | <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      | <1.2               | <0.30      | <1.2               |  |
| 1,1,2-Trichloroethane      | 0.5          | 5           | <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      | <2.8               | <0.34      | <1.4               |  |
| 1,1-Dichloroethene         | 0.7          | 7           | <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               | <0.58      | <2.3               |  |
| 1,2,4-Trimethylbenzene     | 96           | 480         | <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      | <4.2               | <0.45      | <1.8               |  |
| 1,2-Dibromoethane          | 0.005        | 0.05        | <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      | <4.1               | <0.31      | <1.2               |  |
| 1,2-Dichlorobenzene        | 60           | 600         | <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      | <3.5               | <0.33      | <1.3               |  |
| 1,2-Dichloroethane         | 0.5          | 5           | <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      | <1.4               | <0.29      | <1.2               |  |
| 1,2-Dichloropropane        | 0.5          | 5           | <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      | <1.4               | <0.45      | <1.8               |  |
| 1,2,3-Trichlorobenzene     | NE           | NE          | <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      | <11.1              | <1.0       | <4.1               |  |
| 1,2,4-Trichlorobenzene     | 14           | 70          | <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      | <4.8               | <0.95      | <3.8               |  |
| 1,3,5-Trimethylbenzene     | 96           | 480         | <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      | <4.4               | <0.36      | <1.4               |  |
| 2-Butanone                 | 800          | 4000        | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | <600               | <300       | <150               | <2.9       | <14.7              | <6.5       | <26.1              |  |
| 2-Hexanone                 | NE           | NE          | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | <190               | <95        | <48                | <2.5       | <26.0              | <6.3       | <25.1              |  |
| 4-Methyl-2-pentanone       | 50           | 500         | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | <150               | <77        | <39                | <1.5       | <23.2              | <6.0       | <23.8              |  |
| Acetone                    | 1800         | 9000        | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | <680               | 500 J      | <170               | <2.7       | <13.7              | <8.6       | <34.6              |  |
| Benzene                    | 0.5          | 5           | <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      | <1.2               | <0.30      | <1.2               |  |
| Bromodichloromethane       | 0.06         | 0.6         | <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      | <1.8               | <0.42      | <1.7               |  |
| Bromoform                  | 0.44         | 4.4         | <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       | <19.9              | <3.8       | <15.2              |  |
| Bromomethane               | 1            | 10          | <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      | <4.9               | <1.2       | <4.8               |  |
| Carbon disulfide           | 200          | 1000        | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | NA                 | NA         | <11                | <5.3       | <2.7               | <0.37      | <2.2               | <1.1       | <4.4               |  |
| Carbon tetrachloride       | 0.5          | 5           | <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      | <5.4               | 0.67 J     | <1.5               |  |
| Chloroethane               | 80           | 400         | <3.4       | <3.4               | <1.7       | <1.7               | <6.8       | <3.4               | <3.4       | <3.4               | <1.7       | <1.7               | <3.4       | <6.8               | <3.4       | <3.4               | <3.4       | <9.4               | <9.4       | <50                | <25        | <13                | <1.3       | <6.7               | <1.4       | <5.5               |  |
| Chloroform                 | 0.6          | 6           | <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       | <6.4               | <1.2       | <4.7               |  |
| Chloromethane              | 3            | 30          | <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       | <10.9              | <1.6       | <6.5               |  |
| cis-1,2-Dichloroethene     | 7            | 70          | 1800       | 1800               | 2100       | 2300               | 2700       | 2400               | 1700       | 1800               | 1200       | 1200               | 2200       | 2400               | 1700       | 1600               | 2000       | 1900               | 1800       | 930                | 670        | 240                | 259        | 156                | 153        | 156                |  |
| Di-isopropyl ether         | NE           | NE          | <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       | <5.5               | <5.5       | <30                | <15        | <7.5               | <1.9       | <9.4               | <1.1       | <4.4               |  |
| Dichlorodifluoromethane    | 200          | 1000        | <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      | <2.5               | <0.46      | <1.8               |  |
| Ethylbenzene               | 140          | 700         | <1         |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |  |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | 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        | MP-13        | MP-13        | MP-13        | MP-13        | MP-13        | MP-13        |            |
|----------------------------|------------|-------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION     | STANDARD    | 81 - 85 ft | 81 - 85 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 | 102 - 106 ft | 102 - 106 ft | 102 - 106 ft | 102 - 106 ft | 102 - 106 ft |            |
| SAMPLE DATE                | LIMIT      |             | 10/9/2023  | 10/21/2024 | 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   | 10/12/2020   | 10/11/2021   | 10/18/2022   | 10/9/2023    | 10/21/2024 |
| VOCs                       |            |             |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 0.46     | < 1.6      | < 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       | < 0.27       | < 3.6        | < 3.6        | < 0.92       | < 1.6      |
| 1,1,1-Trichloroethane      | 40         | 200         | < 0.38     | < 3.9      | < 1          | < 0.4        | < 0.4        | < 1          | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 3.8        | < 2.0        | < 2.5        | < 5.0        | < 0.24       | < 0.24       | < 3.0        | < 3.0        | < 0.76       | < 3.9      |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 0.35     | < 2.7      | < 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       | < 0.55       | < 3.4        | < 3.4        | < 0.70       | < 2.7      |
| 1,1-Dichloroethene         | 0.7        | 7           | < 0.39     | < 2.3      | < 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       | < 0.24       | < 5.8        | < 5.8        | < 0.78       | < 2.3      |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 0.36     | < 1.5      | < 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       | < 0.84       | < 4.5        | < 4.5        | < 0.72       | < 1.5      |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 0.39     | < 1.8      | < 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       | < 0.83       | < 3.1        | < 3.1        | < 0.77       | < 1.8      |
| 1,2-Dichlorobenzene        | 60         | 600         | < 0.33     | < 1.4      | < 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       | < 0.71       | < 3.3        | < 3.3        | < 0.67       | < 1.4      |
| 1,2-Dichloroethane         | 0.5        | 5           | < 0.39     | < 2.8      | < 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       | 0.65 J       | < 2.9        | < 2.9        | < 0.78       | < 2.8      |
| 1,2-Dichloropropane        | 0.5        | 5           | < 0.43     | < 2.4      | < 1          | < 0.4        | < 0.4        | < 1          | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 4.3        | < 2.0        | < 2.5        | < 5.0        | < 0.28       | < 0.28       | < 4.5        | < 4.5        | < 0.86       | < 2.4      |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 0.46     | < 12       | < 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       | < 2.2        | < 10.2       | < 10.2       | < 0.92       | < 12       |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 0.34     | < 5.8      | < 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       | < 0.95       | < 9.5        | < 9.5        | < 0.68       | < 5.8      |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 0.25     | < 1.2      | < 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       | < 0.87       | < 3.6        | < 3.6        | < 0.51       | < 1.2      |
| 2-Butanone                 | 800        | 4000        | < 2.1      | < 46       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 60         | < 75         | < 150        | < 2.9        | < 2.9        | < 65.2       | < 65.2       | < 4.2        | < 46       |
| 2-Hexanone                 | NE         | NE          | < 1.6      | < 8.1      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 19         | < 24         | < 48         | < 2.5        | < 5.2        | < 62.8       | < 62.8       | < 3.1        | < 8.1      |
| 4-Methyl-2-pentanone       | 50         | 500         | < 2.2      | < 9.8      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 15         | < 19         | < 39         | < 1.5        | < 4.6        | < 59.5       | < 59.5       | < 4.3        | < 9.8      |
| Acetone                    | 1800       | 9000        | < 1.7      | < 66       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 68         | < 85         | < 260 U      | < 2.7        | < 2.7        | < 86.4       | < 86.4       | < 7.2 U      | < 66       |
| Benzene                    | 0.5        | 5           | < 0.15     | < 1.4      | < 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       | < 0.25       | < 3.0        | < 3.0        | < 0.29       | < 1.4      |
| Bromodichloromethane       | 0.06       | 0.6         | < 0.37     | < 1.9      | < 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       | < 0.36       | < 4.2        | < 4.2        | < 0.74       | < 1.9      |
| Bromoform                  | 0.44       | 4.4         | < 0.48     | < 2.5      | < 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        | < 4.0        | < 38.0       | < 38.0       | < 0.97       | < 2.5      |
| Bromomethane               | 1          | 10          | < 0.80     | < 24       | < 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       | < 0.97       | < 11.9       | < 11.9       | < 1.6        | < 24       |
| Carbon disulfide           | 200        | 1000        | < 0.45     | < 2.6      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.1        | < 1.3        | < 2.7        | < 0.37       | < 0.45       | < 11.0       | < 11.0       | < 0.90       | < 2.6      |
| Carbon tetrachloride       | 0.5        | 5           | < 0.38     | < 2.3      | < 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       | < 1.1        | < 3.7        | < 3.7        | < 0.77       | < 2.3      |
| Chloroethane               | 80         | 400         | < 0.51     | < 6.4      | < 1.7        | < 0.68       | < 0.68       | < 1.7        | < 1.7        | < 1.7        | < 1.7        | < 1.7        | < 1.7        | < 4.7        | < 5.0        | < 6.3        | < 13         | < 1.3        | < 1.3        | < 13.8       | < 13.8       | < 1.0        | < 6.4      |
| Chloroform                 | 0.6        | 6           | < 0.37     | < 3.6      | < 1          | < 0.4        | < 0.4        | < 1          | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 3.7        | < 1.2        | < 1.6        | < 3.1        | < 1.3        | < 1.3        | < 11.8       | < 11.8       | < 0.74       | < 3.6      |
| Chloromethane              | 3          | 30          | < 0.32     | < 2.3      | < 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        | < 2.2        | < 16.4       | < 16.4       | < 0.64       | < 2.3      |
| cis-1,2-Dichloroethene     | 7          | 70          | 190        | 170        | 1100         | 690          | 520          | 720          | 660          | 600          | 770          | 730          | 980          | 1100         | 200          | 350          | 580          | 227          | 109          | 63.7         | 50.4         | 68           | 51         |
| Di-isopropyl ether         | NE         | NE          | < 0.28     | < 11       | < 0.75       | < 0.3        | < 0.3        | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 2.8        | < 3.0        | < 3.8        | < 7.5        | < 1.9        | < 1.9        | < 11.0       | < 11.0       | < 0.55       | < 11       |
| Dichlorodifluoromethane    | 200        | 1000        | < 0.67     | < 3.0      | < 1          | < 0.4        | < 0.4        | < 1          | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 5.4        | < 2.2        | < 2.8        | < 5.5        | < 0.50       | < 0.50       | < 4.6        | < 4.6        | < 1.3        | < 3.0      |
| Ethylbenzene               | 140        | 700         | < 0.18     | < 1.4      | < 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       | < 0.32       | < 3.3        | < 3.3        | < 0.37       | < 1.4      |
| Isopropylbenzene           | NE         | NE          | < 0.39 J-  | < 1.6      | < 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       | < 1.7        | < 10.0       | < 10.0       | < 0.77 J-    | < 1.6      |
| m,p-Xylene                 | 400        | 2000        | < 0.18     | < 3.6      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.1        | < 1.4        | < 2.9        | < 0.47       | < 0.47       | < 7.0        | < 7.0        | < 0.36       | < 3.6      |
| Methyl tert-butyl ether    | 12         | 60          | < 0.39     | < 2.5      | < 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        | < 1.2        | < 11.3       | < 11.3       | < 0.79       | < 2.5      |
| Methylene chloride         | 0.5        | 5           | < 1.6 U    | < 9.4      | < 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       | < 0.58       | < 3.2        | < 3.2        | < 3.3        | < 9.4      |
| Naphthalene                | 10         | 100         | < 0.34     | < 9.9      | < 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        | < 1.2        | < 11.3       | < 11.3       | < 0.67       | < 9.9      |
| n-Butylbenzene             | NE         | NE          | < 0.39     | < 2.3      | < 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       | < 0.71       | < 8.6        | < 8.6        | < 0.78       | < 2.3      |
| n-Hexane                   | 120        | 600         | < 0.49 UJ  | < 1.6      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 4.2        | < 5.3        | < 11         | < 1.7        | < 1.7        | < 14.6       | < 14.6       | < 0.98 UJ    | < 1.6      |
| n-Propylbenzene            | NE         | NE          | < 0.41     | < 1.8      | < 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       | < 0.81       | < 3.5        | < 3.5        | < 0.83       | < 1.8      |
| o-Xylene                   | 400        | 2000        | < 0.22     | < 1.1      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.2        | < 1.5        | < 2.9        | < 0.26       | < 0.26       | < 3.5        | < 3.5        | < 0.44       | < 1.1      |
| p-Isopropyltoluene         | NE         | NE          | < 0.36     | < 1.9      | < 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       | < 0.80       | < 10.4       | < 10.4       | < 0.72       | < 1.9      |
| sec-Butylbenzene           | NE         | NE          | < 0.40     | < 2.0      | < 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       | < 0.85       | < 4.2        | < 4.2        | < 0.80       | < 2.0      |
| Styrene                    | 10         | 100         | < 0.39     | < 1.3      | < 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       | < 3.0        | < 3.6        | < 3.6        | < 0.77       | < 1.3      |
| tert-Butylbenzene          | NE         | NE          | < 0.40     | < 1.8      | < 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       | < 0.30       | < 5.9        | < 5.9        | < 0.80       | < 1.8      |
| Tetrachloroethene          | 0.5        | 5           | 550        | 550        | 1800         | 1100         | 670          | 1400         | 1500         | 1900         | 1600         | 2000         | 2100         | 4600         | 870          | 970          | 1200         | 822          | 721          | 655 J+       | 666          | 700          | 550        |
| Toluene                    | 160        | 800         | < 0.15     | < 3.2      | < 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       | < 0.27       | < 2.9        | < 2.9        | < 0.30       | < 3.2      |
| trans-1,2-Dichloroethene   | 20         | 100         | 2.1        | < 3.7      | 15           | 9.5          | 4.8          | 6.6          | 6.0          | 7.0          | 9.8          | 8.1          | 13           | < 3.5        | 3.2 J        |              |              |              |              |              |              |              |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                   | SCREEN INTERVAL (feet bgs) | PREVENTIVE ACTION LIMIT | ENFORCEMENT STANDARD | MP-13<br>121 - 125 ft<br>12/04/2012 | MP-13 <sup>3</sup><br>121 - 125 ft<br>12/04/2012 | MP-13<br>121 - 125 ft<br>01/18/2013 | MP-13<br>121 - 125 ft<br>02/20/2013 | MP-13<br>121 - 125 ft<br>04/17/2013 | MP-13<br>121 - 125 ft<br>07/22/2013 | MP-13<br>121 - 125 ft<br>10/07/2013 | MP-13<br>121 - 125 ft<br>04/16/2014 | MP-13<br>121 - 125 ft<br>10/14/2014 | MP-13<br>121 - 125 ft<br>04/14/2015 | MP-13<br>121 - 125 ft<br>10/16/2015 | MP-13<br>121 - 125 ft<br>10/10/2016 | MP-13<br>121 - 125 ft<br>10/03/2017 | MP-13<br>121 - 125 ft<br>10/09/2018 | MP-13<br>121 - 125 ft<br>10/08/2019 | MP-13<br>121 - 125 ft<br>10/12/2020 | MP-13<br>121 - 125 ft<br>10/11/2021 | MP-13<br>121 - 125 ft<br>10/17/2022 | MP-13<br>121 - 125 ft<br>10/9/2023 | MP-13<br>121 - 125 ft<br>10/21/2024 |
|---------------------------|----------------------------|-------------------------|----------------------|-------------------------------------|--------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| 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                              | < 0.27                              | < 3.6                               | < 1.8                               | < 0.46                             | < 0.31                              |
| 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                              | < 0.24                              | < 3.0                               | < 1.5                               | < 0.38                             | < 0.78                              |
| 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                              | < 0.55                              | < 3.4                               | < 1.7                               | < 0.35                             | < 0.54                              |
| 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                              | < 0.24                              | < 5.8                               | < 2.9                               | < 0.39                             | < 0.46                              |
| 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                              | < 0.84                              | < 4.5                               | < 2.2                               | < 0.36                             | < 0.30                              |
| 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                              | < 0.83                              | < 3.1                               | < 1.5                               | < 0.39                             | < 0.37                              |
| 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                              | < 0.71                              | < 3.3                               | < 1.6                               | < 0.33                             | < 0.29                              |
| 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                              | 0.74 J                              | < 2.9                               | < 1.5                               | < 0.39                             | < 0.56                              |
| 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                              | < 0.28                              | < 4.5                               | < 2.2                               | < 0.43                             | < 0.49                              |
| 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                              | < 0.63                              | < 2.2                               | < 10.2                              | < 5.1                              | < 0.46                              |
| 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                              | < 0.95                              | < 9.5                               | < 4.8                               | < 0.34                             | < 1.2                               |
| 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                              | < 0.87                              | < 3.6                               | < 1.8                               | < 0.25                             | < 0.24                              |
| 2-Butanone                | 800                        | 4000                    |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 300                               | < 150                               | < 150                               | < 2.9                               | < 2.9                               | < 65.2                              | < 32.6                              | < 2.1                              | < 9.2                               |
| 2-Hexanone                | NE                         | NE                      |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 95                                | < 48                                | < 48                                | < 2.5                               | < 5.2                               | < 62.8                              | < 31.4                              | < 1.6                              | < 1.6                               |
| 4-Methyl-2-pentanone      | 50                         | 500                     |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 77                                | < 39                                | < 39                                | < 1.5                               | < 4.6                               | < 59.5                              | < 29.8                              | < 2.2                              | < 2.0                               |
| Acetone                   | 1800                       | 9000                    |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 340                               | 280 BJ                              | < 180 U                             | < 2.7                               | < 2.7                               | < 86.4                              | < 43.2                              | < 2.6 U                            | < 13                                |
| 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                              | < 0.25                              | < 3.0                               | < 1.5                               | < 0.15                             | < 0.29                              |
| 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                              | < 0.36                              | < 4.2                               | < 2.1                               | < 0.37                             | < 0.37                              |
| 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                               | < 4.0                               | < 38.0                              | < 19.0                              | < 0.48                             | < 0.49                              |
| 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                              | < 0.97                              | < 11.9                              | < 6.0                               | < 0.80                             | < 4.7                               |
| Carbon disulfide          | 200                        | 1000                    |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 5.3                               | < 2.7                               | < 2.7                               | < 0.37                              | < 0.45                              | < 11.0                              | < 5.5                               | < 0.45                             | < 0.51                              |
| 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                              | < 1.1                               | < 3.7                               | < 1.8                               | < 0.38                             | < 0.45                              |
| Chloroethane              | 80                         | 400                     |                      | < 0.68                              | < 1.7                                            | < 1.7                               | NA                                  | < 6.8                               | < 3.4                               | < 0.34                              | < 6.8                               | < 3.4                               | < 3.4                               | < 9.4                               | < 25                                | < 13                                | < 13                                | < 1.3                               | < 1.3                               | < 13.8                              | < 6.9                               | < 0.51                             | < 1.3                               |
| 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                               | < 1.3                               | < 11.8                              | < 5.9                               | < 0.37                             | < 0.72                              |
| 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                               | < 2.2                               | < 16.4                              | < 8.2                               | < 0.32                             | < 0.45                              |
| cis-1,2-Dichloroethene    | 7                          | 70                      |                      | 910                                 | 970                                              | 1000                                | NA                                  | 930                                 | 760                                 | 650                                 | 720                                 | 630                                 | 690                                 | 820                                 | 200                                 | 240                                 | 67                                  | 69.6                                | 40.2                                | 40                                  | 29.3                                | 26                                 | 24                                  |
| Di-isopropyl ether        | NE                         | NE                      |                      | < 0.3                               | < 0.75                                           | < 0.75                              | NA                                  | < 3                                 | < 1.5                               | < 0.15                              | < 3.0                               | < 1.5                               | < 1.5                               | < 5.5                               | < 15                                | < 7.5                               | < 7.5                               | < 1.9                               | < 1.9                               | < 11.0                              | < 5.5                               | 0.69 J                             | < 2.2                               |
| 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                              | < 0.50                              | < 4.6                               | < 2.3                               | < 0.67                             | < 0.60                              |
| 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                              | < 0.32                              | < 3.3                               | < 1.6                               | < 0.18                             | < 0.29                              |
| 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                              | < 1.7                               | < 10.0                              | < 5.0                               | < 0.39 J-                          | < 0.31                              |
| m,p-Xylene                | 400                        | 2000                    |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 5.7                               | 3 BJ                                | < 2.9                               | < 0.47                              | < 0.47                              | < 7.0                               | < 3.5                               | < 0.18                             | < 0.71                              |
| 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                               | < 1.2                               | < 11.3                              | < 5.6                               | < 0.39                             | < 0.50                              |
| 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                              | < 0.58                              | < 3.2                               | < 1.6                               | < 1.6                              | < 1.9                               |
| 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                               | < 1.2                               | < 11.3                              | < 5.6                               | < 0.34                             | < 2.0                               |
| 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                              | < 0.71                              | < 8.6                               | < 4.3                               | < 0.39                             | < 0.47                              |
| n-Hexane                  | 120                        | 600                     |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 21                                | < 11                                | < 11                                | < 1.7                               | < 1.7                               | < 14.6                              | < 7.3                               | < 0.49 UJ                          | < 0.33                              |
| 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                              | < 0.81                              | < 3.5                               | < 1.7                               | < 0.41                             | < 0.37                              |
| o-Xylene                  | 400                        | 2000                    |                      | NA                                  | NA                                               | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 5.8                               | < 2.9                               | < 2.9                               | < 0.26                              | < 0.26                              | < 3.5                               | < 1.7                               | < 0.22                             | < 0.23                              |
| 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                              | < 0.80                              | < 10.4                              | < 5.2                               | < 0.36                             | < 0.37                              |
| 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                              | < 0.85                              | < 4.2                               | < 2.1                               | < 0.40                             | < 0.41                              |
| 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                              | < 3.0                               | < 3.6                               | < 1.8                               | < 0.39                             | < 0.25                              |
| 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                              | < 0.30                              | < 5.9                               | < 2.9                               | < 0.40                             | < 0.35                              |
| Tetrachloroethene         | 0.5                        | 5                       |                      | 1500                                | 1500                                             | 2600                                | NA                                  | 7000                                | 6300                                | 6500                                | 6700                                | 4800                                | 4300                                | 12000                               | 3100                                | 3000                                | 1000                                | 715                                 | 602                                 | 580 J+                              | 463                                 | 480                                | 310                                 |
| 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                              | < 0.27                              | < 2.9                               | < 1.4                               | < 0.15                             | < 0.64                              |
| 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                               | 0.71 J                              | < 5.3                               | < 2.6                               | 0.54 J                             | < 0.74                              |
| Trichloroethene           | 0.5                        | 5                       |                      | 340                                 | 370                                              | 460                                 | NA                                  | 600                                 | 510                                 | 550                                 | 710                                 | 520                                 | 640                                 | 1100                                | 450                                 | 460                                 | 110                                 | 101                                 | 55                                  | 48.6                                | 39.4                                | 35                                 | 24                                  |
| 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                              | < 0.21                              | < 4.2                               | < 2.1                               | < 0.43                             | < 0.40                              |
| 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                              | < 0.17                              | < 1.7                               | < 0.87                              | < 0.20                             | < 0.45                              |
| Xylenes, Total            | 400                        | 2000                    |                      | < 0.14</                            |                                                  |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                    |                                     |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                   | SCREEN INTERVAL (feet bgs) | PREVENTIVE ACTION LIMIT | ENFORCEMENT STANDARD | MP-13<br>135 - 139 ft<br>12/04/2012 | MP-13<br>135 - 139 ft<br>01/17/2013 | MP-13<br>135 - 139 ft<br>02/20/2013 | MP-13<br>135 - 139 ft<br>04/17/2013 | MP-13<br>135 - 139 ft<br>07/22/2013 | MP-13<br>135 - 139 ft<br>10/07/2013 | MP-13<br>135 - 139 ft<br>04/16/2014 | MP-13<br>135 - 139 ft<br>10/14/2014 | MP-13<br>135 - 139 ft<br>04/14/2015 | MP-13<br>135 - 139 ft<br>10/16/2015 | MP-13<br>135 - 139 ft<br>10/10/2016 | MP-13<br>135 - 139 ft<br>10/03/2017 | MP-13<br>135 - 139 ft<br>10/09/2018 | MP-13<br>135 - 139 ft<br>10/08/2019 | MP-13<br>135 - 139 ft<br>10/12/2020 | MP-13<br>135 - 139 ft<br>10/11/2021 | MP-13<br>135 - 139 ft<br>10/17/2022 | MP-13<br>135 - 139 ft<br>10/9/2023 | MP-13<br>135 - 139 ft<br>10/21/2024 | MP-13<br>163 - 167 ft<br>12/04/2012 | MP-13<br>163 - 167 ft<br>01/16/2013 | MP-13<br>163 - 167 ft<br>02/20/2013 |    |
|---------------------------|----------------------------|-------------------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----|
| SAMPLE DATE               |                            |                         |                      | 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                          | 10/12/2020                          | 10/11/2021                          | 10/17/2022                          | 10/9/2023                          | 10/21/2024                          | 12/04/2012                          | 01/16/2013                          | 02/20/2013                          |    |
| 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                              | < 0.27                              | < 8.9                               | < 14.2                              | < 2.3                              | < 3.1                               | < 1.3                               | < 0.25                              | NA                                  |    |
| 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                              | < 0.24                              | < 7.6                               | < 12.1                              | < 1.9                              | < 7.8                               | < 1                                 | < 0.2                               | NA                                  |    |
| 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                              | < 0.55                              | < 8.6                               | < 13.8                              | < 1.8                              | < 5.4                               | < 1.4                               | < 0.28                              | NA                                  |    |
| 1,1-Dichloroethene        | 0.7                        | 7                       |                      | <b>1.5 J</b>                        | < 1.6                               | NA                                  | < 3.1                               | < 3.1                               | < 1.6                               | < 3.1                               | < 3.1                               | < 3.1                               | < 3.9                               | < 14                                | < 7                                 | < 7.0                               | 0.40 J                              | < 0.24                              | < 14.6                              | < 23.3                              | < 2.0                              | < 4.6                               | < 1.6                               | <b>0.97 J</b>                       | NA                                  |    |
| 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                              | < 0.84                              | < 11.2                              | < 17.9                              | < 1.8                              | < 3.0                               | < 0.7                               | < 0.14                              | NA                                  |    |
| 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                              | < 0.83                              | < 7.7                               | < 12.4                              | < 1.9                              | < 3.7                               | < 1.8                               | < 0.36                              | NA                                  |    |
| 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                              | < 0.71                              | < 8.1                               | < 13.0                              | < 1.7                              | < 2.9                               | < 1.4                               | < 0.27                              | NA                                  |    |
| 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                              | < 0.28                              | < 7.3                               | < 11.7                              | < 2.0                              | < 5.6                               | < 1.4                               | < 0.28                              | NA                                  |    |
| 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                              | < 0.28                              | < 11.2                              | < 17.9                              | < 2.1                              | < 4.9                               | < 1                                 | < 0.2                               | NA                                  |    |
| 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                              | < 2.2                               | < 25.5                              | < 40.7                              | < 2.3                              | < 24                                | < 1.2                               | < 0.24                              | NA                                  |    |
| 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                              | < 0.95                              | < 23.8                              | < 38.0                              | < 1.7                              | < 12                                | < 1.6                               | < 0.31                              | NA                                  |    |
| 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                              | < 0.87                              | < 8.9                               | < 14.3                              | < 1.3                              | < 2.4                               | < 0.9                               | < 0.18                              | NA                                  |    |
| 2-Butanone                | 800                        | 4000                    |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 300                               | < 150                               | < 150                               | < 2.9                               | < 2.9                               | < 163                               | < 261                               | < 11                               | < 92                                | NA                                  | NA                                  | NA                                  |    |
| 2-Hexanone                | NE                         | NE                      |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 95                                | < 48                                | < 48                                | < 2.5                               | < 5.2                               | < 157                               | < 251                               | < 7.8                              | < 16                                | NA                                  | NA                                  | NA                                  |    |
| 4-Methyl-2-pentanone      | 50                         | 500                     |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 77                                | < 39                                | < 39                                | < 1.5                               | < 4.6                               | < 149                               | < 238                               | < 11                               | < 20                                | NA                                  | NA                                  | NA                                  |    |
| Acetone                   | 1800                       | 9000                    |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 340                               | 260 J                               | < 280 U                             | < 2.7                               | < 2.7                               | < 216                               | < 346                               | < 8.7                              | < 130                               | NA                                  | NA                                  | NA                                  |    |
| Benzene                   | 0.5                        | 5                       |                      | 0.41 J                              | <b>1.1 J</b>                        | NA                                  | < 0.74                              | < 0.74                              | < 0.37                              | < 0.74                              | < 0.74                              | < 0.74                              | < 1.5                               | < 8.9                               | < 4.5                               | < 4.5                               | < 0.25                              | < 0.25                              | < 7.4                               | < 11.8                              | < 0.73                             | < 2.9                               | < 0.37                              | < 0.074                             | NA                                  |    |
| 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                              | < 0.36                              | < 10.4                              | < 16.6                              | < 1.9                              | < 3.7                               | < 0.85                              | < 0.17                              | NA                                  |    |
| 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                               | < 4.0                               | < 95.0                              | < 152                               | < 2.4                              | < 4.9                               | < 1.4                               | < 0.28                              | NA                                  |    |
| Bromomethane              | 1                          | 10                      |                      | < 0.62                              | < 1.6                               | NA                                  | < 3.1                               | < 3.1                               | < 1.6                               | < 3.1                               | < 3.1                               | < 3.1                               | < 8.0                               | < 30                                |                                     | <b>56 J+</b>                        | < 0.97                              | < 0.97                              | < 29.8                              | < 47.7                              | < 4.0                              | < 47                                | < 1.6                               | < 0.31                              | NA                                  |    |
| Carbon disulfide          | 200                        | 1000                    |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 5.3                               | < 2.7                               | < 2.7                               | < 0.37                              | < 0.45                              | < 27.6                              | < 44.1                              | < 2.2                              | < 5.1                               | NA                                  | NA                                  | NA                                  |    |
| 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                              | < 1.1                               | < 9.2                               | < 14.8                              | < 1.9                              | < 4.5                               | < 1.3                               | < 0.26                              | NA                                  |    |
| Chloroethane              | 80                         | 400                     |                      | < 0.68                              | < 1.7                               | NA                                  | < 3.4                               | < 3.4                               | < 1.7                               | < 3.4                               | < 3.4                               | < 3.4                               | < 4.7                               | < 25                                | < 13                                | < 13                                | < 1.3                               | < 1.3                               | < 34.5                              | < 55.2                              | < 2.5                              | < 13                                | < 1.7                               | < 0.34                              | < 0.68                              |    |
| 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                               | < 1.3                               | < 29.6                              | < 47.3                              | < 1.9                              | < 7.2                               | < 1                                 | < 0.2                               | NA                                  |    |
| Chloromethane             | 3                          | 30                      |                      | < 0.36                              | < 0.9                               | NA                                  | < 1.8                               | < 1.8                               | < 0.9                               | < 1.8                               | < 1.8                               | < 1.8                               | < 3.2                               | <b>46 BJ</b>                        | <b>11 J+</b>                        | < 13 U                              | < 2.2                               | < 2.2                               | < 40.9                              | < 65.4                              | < 1.6                              | < 4.5                               | < 0.9                               | < 0.18                              | NA                                  |    |
| cis-1,2-Dichloroethene    | 7                          | 70                      |                      | <b>1100</b>                         | <b>910</b>                          | NA                                  |                                     | <b>540</b>                          | <b>420</b>                          | <b>380</b>                          | <b>370</b>                          | <b>330</b>                          | <b>410</b>                          | <b>170</b>                          | <b>87</b>                           | <b>190</b>                          | <b>150</b>                          | <b>166</b>                          | <b>97.6</b>                         | <b>85.9</b>                         | <b>88.8</b>                        | <b>110</b>                          | <b>85</b>                           | <b>970</b>                          | <b>730</b>                          | NA |
| Di-isopropyl ether        | NE                         | NE                      |                      | < 0.3                               | < 0.75                              | NA                                  | < 1.5                               | < 1.5                               | < 0.75                              | < 1.5                               | < 1.5                               | < 1.5                               | < 2.8                               | < 15                                | < 7.5                               | < 7.5                               | < 1.9                               | < 1.9                               | < 27.5                              | < 44.0                              | < 1.4                              | < 22                                | < 0.75                              | < 0.15                              | NA                                  |    |
| 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                              | < 0.50                              | < 11.4                              | < 18.2                              | < 3.4                              | < 6.0                               | < 1                                 | < 0.2                               | NA                                  |    |
| 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                              | < 0.32                              | < 8.1                               | < 13.0                              | < 0.92                             | < 2.9                               | < 0.65                              | < 0.13                              | NA                                  |    |
| 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                              | < 1.7                               | < 25.0                              | < 40.0                              | < 1.9 J-                           | < 3.1                               | < 0.7                               | < 0.14                              | NA                                  |    |
| m,p-Xylene                | 400                        | 2000                    |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 5.7                               | < 2.9                               | < 2.9                               | < 0.47                              | < 0.47                              | < 17.5                              | < 28.0                              | < 0.91                             | < 7.1                               | NA                                  | NA                                  | NA                                  |    |
| 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                               | < 1.2                               | < 28.2                              | < 45.2                              | < 2.0                              | < 5.0                               | < 1.2                               | < 0.24                              | NA                                  |    |
| 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                              | < 0.58                              | < 8.0                               | < 12.8                              | < 8.2                              | < 19                                | < 3.4                               | < 0.68                              | NA                                  |    |
| 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                               | < 1.2                               | < 28.2                              | < 45.2                              | < 1.7                              | < 20                                | < 0.8                               | < 0.16                              | NA                                  |    |
| 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                              | < 0.71                              | < 21.4                              | < 34.3                              | < 1.9                              | < 4.7                               | < 0.65                              | < 0.13                              | NA                                  |    |
| n-Hexane                  | 120                        | 600                     |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 21                                | < 11                                | < 11                                | < 1.7                               | < 1.7                               | < 36.6                              | < 58.5                              | < 2.5 UJ                           | < 3.3                               | NA                                  | NA                                  | NA                                  |    |
| 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                              | < 0.81                              | < 8.6                               | < 13.8                              | < 2.1                              | < 3.7                               | < 0.65                              | < 0.13                              | NA                                  |    |
| o-Xylene                  | 400                        | 2000                    |                      | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  | < 5.8                               | < 2.9                               | < 2.9                               | < 0.26                              | < 0.26                              | < 8.7                               | < 13.9                              | < 1.1                              | < 2.3                               | NA                                  | NA                                  | NA                                  |    |
| 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                              | < 0.80                              | < 26.1                              | < 41.8                              | < 1.8                              | < 3.7                               | < 0.85                              | < 0.17                              | NA                                  |    |
| 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                              | < 0.85                              | < 10.6                              | < 17.0                              | < 2.0                              | < 4.1                               | < 0.75                              | < 0.15                              | NA                                  |    |
| 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                              | < 3.0                               | < 8.9                               | < 14.3                              | < 1.9                              | < 2.5                               | < 0.5                               | < 0.1                               | NA                                  |    |
| 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                              | < 0.30                              | < 14.7                              | < 23.4                              | < 2.0                              | < 3.5                               | < 0.7                               | < 0.14                              | NA                                  |    |
| Tetrachloroethene         | 0.5                        | 5                       |                      | <b>1900</b>                         | <b>2300</b>                         | NA                                  |                                     | <b>3800</b>                         | <b>4200</b>                         | <b>6500</b>                         | <b>5200</b>                         | <b>6300</b>                         | <b>5700</b>                         | <b>5500</b>                         | <b>2000</b>                         | <b>4100</b>                         | <b>3800</b>                         |                                     |                                     |                                     |                                    |                                     |                                     |                                     |                                     |    |

Appendix E: Historical 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        | MP-13        | MP-13        | MP-14      | MP-14      | MP-14      | MP-14      | MP-14      | MP-14      | MP-14      |  |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|--|
| 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 | 163 - 167 ft | 163 - 167 ft | 70 - 75 ft | 70 - 75 ft | 70 - 75 ft | 70 - 75 ft | 70 - 75 ft | 70 - 75 ft | 70 - 75 ft |  |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 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   | 10/12/2020   | 10/11/2021   | 10/17/2022   | 10/9/2023    | 10/21/2024   | 01/21/2013 | 04/16/2013 | 07/16/2013 | 07/22/2013 | 10/08/2013 | 04/14/2014 | 10/17/2014 |  |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |            |            |            |            |            |            |  |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.5        | < 0.25       | < 0.25       | < 0.50       | < 0.50       | < 0.25       | < 0.46       | < 0.22       | < 0.11       | < 0.22       | < 0.27       | < 0.27       | < 0.36       | < 0.89       | < 0.46       | < 0.31       | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     | < 0.25     |  |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.4        | < 0.2        | < 0.2        | < 0.40       | < 0.40       | < 0.20       | < 0.38       | < 0.20       | < 0.1        | < 0.20       | < 0.24       | < 0.24       | < 0.30       | < 0.76       | < 0.38       | < 0.78       | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     |  |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.56       | < 0.28       | < 0.28       | < 0.56       | < 0.56       | < 0.28       | < 0.35       | < 0.20       | < 0.1        | < 0.20       | < 0.55       | < 0.55       | < 0.34       | < 0.86       | < 0.35       | < 0.54       | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     |  |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.62       | < 0.31       | < 0.31       | < 0.62       | < 0.62       | < 0.31       | < 0.39       | < 0.28       | < 0.14       | < 0.28       | < 0.24       | < 0.24       | < 0.58       | < 1.5        | < 0.39       | < 0.46       | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     |  |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.28       | < 0.14       | < 0.14       | < 0.28       | < 0.28       | < 0.14       | < 0.36       | < 0.12       | < 0.06       | < 0.12       | < 0.84       | < 0.84       | < 0.45       | < 1.1        | < 0.36       | < 0.30       | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     | < 0.14     |  |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.72       | < 0.36       | < 0.36       | < 0.72       | < 0.72       | < 0.36       | < 0.39       | < 0.26       | < 0.13       | < 0.26       | < 0.83       | < 0.83       | < 0.31       | < 0.77       | < 0.39       | < 0.37       | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     | < 0.36     |  |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.54       | < 0.27       | < 0.27       | < 0.54       | < 0.54       | < 0.27       | < 0.33       | < 0.15       | < 0.076      | < 0.15       | < 0.71       | < 0.71       | < 0.33       | < 0.81       | < 0.33       | < 0.29       | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     | < 0.27     |  |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.56       | < 0.28       | < 0.28       | < 0.56       | < 0.56       | < 0.28       | < 0.39       | < 0.16       | < 0.078      | < 0.16       | < 0.28       | < 0.28       | < 0.29       | < 0.73       | < 0.39       | < 0.56       | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     |  |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.4        | < 0.2        | < 0.2        | < 0.40       | < 0.40       | < 0.20       | < 0.43       | < 0.20       | < 0.1        | < 0.20       | < 0.28       | < 0.28       | < 0.45       | < 1.1        | < 0.43       | < 0.49       | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     |  |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.48       | < 0.24       | < 0.24       | < 0.48       | < 0.48       | < 0.24       | < 0.46       | < 0.090      | < 0.045      | < 0.090      | < 0.63       | < 2.2        | < 1.0        | < 2.5        | < 0.46       | < 2.4        | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     | < 0.24     |  |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.62       | < 0.31       | < 0.31       | < 0.62       | < 0.62       | < 0.31       | < 0.34       | < 0.15       | < 0.077      | < 0.15       | < 0.95       | < 0.95       | < 0.95       | < 2.4        | < 0.34       | < 1.2        | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     | < 0.31     |  |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.18       | < 0.18       | < 0.36       | < 0.36       | < 0.18       | < 0.25       | < 0.15       | < 0.075      | < 0.15       | < 0.87       | < 0.87       | < 0.36       | < 0.89       | < 0.25       | < 0.24       | < 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           | < 6.0        | < 3          | < 6.0        | < 2.9        | < 2.9        | < 6.5        | < 16.3       | < 2.1        | < 9.2        | NA         | NA         | NA         | NA         | NA         | NA         | NA         |  |
| 2-Hexanone                 | NE           | NE          | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.9        | < 0.95       | < 1.9        | < 2.5        | < 5.2        | < 6.3        | < 15.7       | < 1.6        | < 1.6        | NA         | NA         | NA         | NA         | NA         | NA         | NA         |  |
| 4-Methyl-2-pentanone       | 50           | 500         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.5        | < 0.77       | < 1.5        | < 1.5        | < 4.6        | < 6.0        | < 14.9       | < 2.2        | < 2.0        | NA         | NA         | NA         | NA         | NA         | NA         | NA         |  |
| Acetone                    | 1800         | 9000        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 6.8        | 5.2 BJ       | < 6.8        | 15.3 J       | < 2.7        | < 8.6        | < 21.6       | 17 J         | < 13         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |  |
| Benzene                    | 0.5          | 5           | < 0.15       | < 0.074      | < 0.074      | < 0.15       | < 0.15       | < 0.074      | < 0.15       | < 0.18       | < 0.089      | < 0.18       | < 0.25       | < 0.25       | < 0.30       | < 0.74       | < 0.15       | < 0.29       | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    | < 0.074    |  |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.34       | < 0.17       | < 0.17       | < 0.34       | < 0.34       | < 0.17       | < 0.37       | < 0.15       | < 0.077      | < 0.15       | < 0.36       | < 0.36       | < 0.42       | < 1.0        | < 0.37       | < 0.37       | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     |  |
| Bromoform                  | 0.44         | 4.4         | < 0.56       | < 0.28       | < 0.28       | < 0.56       | < 0.56       | < 0.28       | < 0.48       | < 0.18       | < 0.088      | < 0.18       | < 4.0        | < 4.0        | < 3.8        | < 9.5        | < 0.48       | < 0.49       | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     | < 0.28     |  |
| Bromomethane               | 1            | 10          | < 0.62       | < 0.31       | < 0.31       | < 0.62       | < 0.62 *     | < 0.31       | < 0.80       | < 1.2        | < 0.59       | < 1.2        | < 0.97       | < 0.97       | < 1.2        | < 3.0        | < 0.80       | < 4.7        | < 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           | < 0.11       | < 0.053      | < 0.11       | < 0.37       | < 0.45       | < 1.1        | < 2.8        | < 0.45       | < 0.51       | NA         | NA         | NA         | NA         | NA         | NA         | NA         |  |
| Carbon tetrachloride       | 0.5          | 5           | < 0.52       | < 0.26       | < 0.26       | < 0.52       | < 0.52       | < 0.26       | < 0.38       | < 0.076      | < 0.038      | < 0.076      | < 0.17       | < 1.1        | < 0.37       | < 0.92       | < 0.38       | < 0.45       | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     | < 0.26     |  |
| Chloroethane               | 80           | 400         | < 0.34       | < 0.34       | < 0.68       | < 0.68       | < 0.34       | < 0.47       | < 0.50       | < 0.25       | < 0.50       | < 1.3        | < 1.3        | < 1.4        | < 0.34       | < 3.4        | < 0.51       | < 1.3        | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     |  |
| Chloroform                 | 0.6          | 6           | < 0.4        | < 0.2        | < 0.2        | < 0.40       | < 0.40       | < 0.20       | < 0.37       | < 0.12       | < 0.062      | < 0.12       | < 1.3        | < 1.3        | < 1.2        | < 3.0        | < 0.37       | < 0.72       | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.20     | < 0.20     |  |
| Chloromethane              | 3            | 30          | < 0.36       | < 0.18       | < 0.18       | < 0.36       | < 0.36       | < 0.18       | < 0.32       | 0.76 BJ      | 0.46 J+      | < 0.32       | < 2.2        | < 2.2        | < 1.6        | < 4.1        | < 0.32       | < 0.45       | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     |  |
| cis-1,2-Dichloroethene     | 7            | 70          |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |            |            |            |            |            |            |  |

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

[illegible]

Appendix E: Historical 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        | 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 | 135 - 140 ft | 135 - 140 ft |           |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 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   | 10/13/2020   | 04/12/2021   | 10/12/2021   | 04/20/2022   | 10/18/2022   | 4/10/2023    | 10/10/2023   |           |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |                |              |               |              |              |              |              |              |              |              |              |              |              |              |           |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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        | < 1.1        | < 0.27       | < 0.27       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.46       | < 0.46    |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.20       | < 0.20       | < 0.20       | < 0.38       | < 1.0        | < 2.0        | < 0.10       | < 1.0        | < 1.0          | < 0.10       | < 1.0         | < 1.0        | < 1.0        | < 0.98       | < 0.24       | < 0.24       | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.38       | < 0.38       | < 0.38    |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.28       | < 0.28       | < 0.28       | < 0.35       | < 1.0        | < 2.0        | < 0.10       | < 1.0        | < 1.0          | < 0.10       | < 1.0         | < 1.0        | < 1.0        | < 2.2        | < 0.55       | < 0.55       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.35       | < 0.35       | < 0.35    |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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       | < 0.24       | < 0.58       | < 0.58       | < 0.58       | < 0.58       | < 0.39       | < 0.39       | < 0.39    |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.14       | < 0.14       | < 0.14       | < 0.36       | < 0.60       | < 1.2        | < 0.060      | < 0.60       | < 0.60         | < 0.060      | < 0.60        | < 0.060      | < 0.60       | < 3.4        | < 0.84       | < 0.84       | < 0.45       | < 0.45       | < 0.45       | < 0.45       | < 0.36       | < 0.36       | < 0.36    |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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       | < 0.83       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.39       | < 0.39       | < 0.39    |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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       | < 0.71       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33    |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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       | < 0.28       | < 0.29       | < 0.29       | < 0.29       | < 0.29       | < 0.39       | < 0.39       | < 0.39    |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.20       | < 0.20       | < 0.20       | < 0.43       | < 1.0        | < 2.0        | < 0.10       | < 1.0        | < 1.0          | < 0.10       | < 1.0         | < 1.0        | < 1.0        | < 1.1        | < 0.28       | < 0.28       | < 0.45       | < 0.45       | < 0.45       | < 0.45       | < 0.43       | < 0.43       | < 0.43    |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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       | < 2.2        | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.46 UJ    | < 0.46       | < 0.46    |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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       | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.34 UJ    | < 0.34       | < 0.34    |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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       | < 0.87       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.25       | < 0.25       | < 0.25    |
| 2-Butanone                 | 800          | 4000        | NA           | NA           | NA           | NA           | < 30         | < 60         | < 3.0        | < 30         | < 30           | < 3.0        | < 30          | < 3.0        | < 30         | < 11.7       | < 2.9        | < 2.9        | < 6.5        | < 6.5        | < 6.5        | < 6.5        | < 2.1        | < 2.1        | < 2.1     |
| 2-Hexanone                 | NE           | NE          | 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        | < 5.2        | < 6.3        | < 6.3        | < 6.3        | < 6.3        | < 1.6        | < 1.6        | < 1.6     |
| 4-Methyl-2-pentanone       | 50           | 500         | 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        | < 4.6        | < 6.0        | < 6.0        | < 6.0        | < 6.0        | < 2.2        | < 2.2        | < 2.2     |
| Acetone                    | 1800         | 9000        | NA           | NA           | NA           | NA           | < 34         | < 68         | < 3.4        | < 34         | < 34           | < 3.4        | < 34          | < 3.4        | < 34         | < 11.0       | < 2.7        | < 2.7        | < 8.6        | < 8.6        | < 8.6        | < 8.6        | < 4.2 U      | < 1.7        | < 1.7     |
| Benzene                    | 0.5          | 5           | < 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       | < 0.25       | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.15       | < 0.15       | < 0.15    |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.17       | < 0.17       | < 0.17       | < 0.37       | < 0.77       | < 1.5        | < 0.077      | < 0.77       | <b>0.80 BJ</b> | < 0.077      | < 0.77        | < 0.077      | < 0.77       | < 1.5        | < 0.36       | < 0.36       | < 0.42       | < 0.42       | < 0.42       | < 0.42       | < 0.37       | < 0.37       | < 0.37    |
| Bromoform                  | 0.44         | 4.4         | < 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        | < 4.0        | < 3.8        | < 3.8        | < 3.8        | < 3.8        | < 0.48       | < 0.48       | < 0.48    |
| Bromomethane               | 1            | 10          | < 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       | < 0.97       | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.80 UJ    | < 0.80       | < 0.80    |
| Carbon disulfide           | 200          | 1000        | 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       | < 0.45       | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.45       | < 0.45       | < 0.45    |
| Carbon tetrachloride       | 0.5          | 5           | < 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       | < 1.1        | < 0.37       | < 0.37       | < 0.37       | < 0.37       | < 0.38       | < 0.38       | < 0.38    |
| Chloroethane               | 80           | 400         | < 0.25       | < 0.25       | < 0.34       | < 0.47       | < 2.5        | < 5.0        | < 0.25       | < 2.5        | < 2.5          | < 0.25       | < 2.5         | < 0.25       | < 2.5        | < 5.4        | < 1.3        | < 1.3        | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.51 UJ    | < 0.51       | < 0.51    |
| Chloroform                 | 0.6          | 6           | < 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        | < 1.3        | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.37       | < 0.37       | < 0.37    |
| Chloromethane              | 3            | 30          | < 0.18       | < 0.18       | < 0.18       | < 0.32       | < 1.6        | < 3.2        | 0.16 J       | <b>12 BJ</b> | < 1.6          | < 0.16       | <b>3.4 J+</b> | < 0.16       | < 3.3 U      | < 8.8        | < 2.2        | < 2.2        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 0.32       | < 0.32       | < 0.32    |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>12</b>    | <b>8.1</b>   | 4.3          | <b>13</b>    | <b>12</b>    | <b>16</b>    | <b>13</b>    | <b>13</b>    | <b>12 B</b>    | <b>12</b>    | <b>11</b>     | <b>17</b>    | <b>17</b>    | <b>15.6</b>  | <b>13.8</b>  | 4.7          | 3.1          | 2.7          | 1.5          | 1.9          | 1.4          | 1.2          | 1.2       |
| Di-isopropyl ether         | NE           | NE          | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 1.5        | < 3.0        | < 0.15       | < 1.5        | < 1.5          | < 0.15       | < 1.5         | < 0.15       | < 1.5        | < 7.6        | < 1.9        | < 1.9        | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.28       | < 0.28       | < 0.28    |
| Dichlorodifluoromethane    | 200          | 1000        | < 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       | < 0.50       | < 0.46       | < 0.46       | < 0.46       | < 0.46       | < 0.67       | < 0.67       | < 0.67    |
| Ethylbenzene               | 140          | 700         | < 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       | < 0.32       | < 0.33       | < 0.33       | < 0.33       | < 0.18       | < 0.18       | < 0.18       |           |
| Isopropylbenzene           | NE           | NE          | < 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       | < 1.7        | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.39       | < 0.39       | < 0.39 J- |
| m,p-Xylene                 | 400          | 2000        | 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       | < 0.47       | < 0.70       | < 0.70       | < 0.70       | < 0.70       | < 0.18       | < 0.18       | < 0.18    |
| Methyl tert-butyl ether    | 12           | 60          | < 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        | < 1.2        | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.39       | < 0.39       | < 0.39    |
| Methylene chloride         | 0.5          | 5           | < 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       | < 0.58       | < 0.32       | < 0.32       | < 0.32       | < 0.32       | < 1.6        | < 1.6        | < 1.6     |
| Naphthalene                | 10           | 100         | < 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        | < 1.2        | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.34 UJ    | < 0.34       | < 0.34    |
| n-Butylbenzene             | NE           | NE          | < 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       | < 0.71       | < 0.86       | < 0.86       | < 0.86       | < 0.86       | < 0.39       | < 0.39       | < 0.39    |
| n-Hexane                   | 120          | 600         | 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        | < 1.7        | < 1.5        | < 1.5        | < 1.5        | < 1.5        | < 0.49       | < 0.49       | < 0.49 UJ |
| n-Propylbenzene            | NE           | NE          | < 0.13       | < 0.13       | < 0.13       | < 0.41       | < 1.0        | < 2.0        | < 0.10       | < 1.0        | < 1.0          | < 0.10       | < 1.0         | < 1.0        | < 1.0        | < 3.2        | < 0.81       | < 0.81       | < 0.35       | < 0.35       | < 0.35       | < 0.35       | < 0.41       | < 0.41       | < 0.41    |
| o-Xylene                   | 400          | 2000        | 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       | < 0.26       | < 0.35       | < 0.35       | < 0.35       | < 0.35       | < 0.22       | < 0.22       | < 0.22    |
| p-Isopropyltoluene         | NE           |             |              |              |              |              |              |              |              |              |                |              |               |              |              |              |              |              |              |              |              |              |              |              |           |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | 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) | ACTION     | STANDARD    | 135 - 140 ft | 135 - 140 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 | 170 - 178 ft | 170 - 178 ft | 170 - 178 ft   | 170 - 178 ft | 170 - 178 ft |
| SAMPLE DATE                | LIMIT      |             | 04/22/2024   | 10/22/2024   | 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   | 10/13/2020   | 10/12/2021     | 10/10/2023   | 10/22/2024   |
| VOCs                       |            |             |              |              |              |              |              |              |              |              |              |              |              |              |               |              |              |              |                |              |              |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 0.46       | < 0.16       | < 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       | < 0.27       | < 7.1          | < 0.92       | < 0.78       |
| 1,1,1-Trichloroethane      | 40         | 200         | < 0.38       | < 0.39       | < 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       | < 0.24       | < 6.1          | < 0.76       | < 2.0        |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 0.35       | < 0.27       | < 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       | < 0.55       | < 6.9          | < 0.70       | < 1.4        |
| 1,1-Dichloroethene         | 0.7        | 7           | < 0.39       | < 0.23       | < 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       | < 0.24       | < 11.6         | < 0.78       | < 1.2        |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 0.36       | < 0.15       | < 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       | < 0.84       | < 9.0          | < 0.72       | < 0.75       |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 0.39       | < 0.18       | < 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       | < 0.83       | < 6.2          | < 0.77       | < 0.92       |
| 1,2-Dichlorobenzene        | 60         | 600         | < 0.33       | < 0.14       | < 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       | < 0.71       | < 6.5          | < 0.67       | < 0.72       |
| 1,2-Dichloroethane         | 0.5        | 5           | < 0.39       | < 0.28       | < 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       | < 5.8          | < 0.78       | < 1.4        |
| 1,2-Dichloropropane        | 0.5        | 5           | < 0.43       | < 0.24       | < 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       | < 0.28       | < 9.0          | < 0.86       | < 1.2        |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 0.46       | < 1.2        | < 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       | < 2.2        | < 20.4         | < 0.92       | < 6.0        |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 0.34       | < 0.58       | < 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       | < 0.95       | < 19.0         | < 0.68       | < 2.9        |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 0.25       | < 0.12       | < 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       | < 0.87       | < 7.1          | < 0.51       | < 0.61       |
| 2-Butanone                 | 800        | 4000        | < 2.1        | < 4.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 6.0        | < 60          | < 150        | < 2.9        | < 2.9        | < 130          | < 4.2        | < 23         |
| 2-Hexanone                 | NE         | NE          | < 1.6        | < 0.81       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.9        | < 19          | < 48         | < 2.5        | < 5.2        | < 126          | < 3.1        | < 4.1        |
| 4-Methyl-2-pentanone       | 50         | 500         | < 2.2        | < 0.98       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.5        | < 15          | < 39         | < 1.5        | < 4.6        | < 119          | < 4.3        | < 4.9        |
| Acetone                    | 1800       | 9000        | < 1.7        | < 6.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 6.8        | < 68          | < 170        | < 2.7        | < 2.7        | < 173          | < 3.5        | < 33         |
| Benzene                    | 0.5        | 5           | < 0.15       | < 0.14       | < 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       | < 0.25       | < 5.9          | < 0.29       | < 0.72       |
| Bromodichloromethane       | 0.06       | 0.6         | < 0.37       | < 0.19       | < 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       | < 0.36       | < 8.3          | < 0.74       | < 0.94       |
| Bromoform                  | 0.44       | 4.4         | < 0.48       | < 0.25       | < 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        | < 4.0        | < 76.0         | < 0.97       | < 1.2        |
| Bromomethane               | 1          | 10          | < 0.80       | < 2.4        | < 0.31       | < 0.31       | < 0.62       | < 0.31       | < 0.62       | < 0.62       | < 0.62 *     | < 0.31       | < 0.80       | < 1.2        | < 12          | < 30         | < 0.97       | < 0.97       | < 23.8         | < 1.6        | < 12         |
| Carbon disulfide           | 200        | 1000        | < 0.45       | < 0.26       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.11       | < 1.1         | < 2.7        | < 0.37       | < 0.45       | < 22.0         | < 0.90       | < 1.3        |
| Carbon tetrachloride       | 0.5        | 5           | < 0.38       | < 0.23       | < 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       | < 1.1        | < 7.4          | < 0.77       | < 1.1        |
| Chloroethane               | 80         | 400         | < 0.51       | < 0.64       | < 0.34       | < 0.34       | < 0.68       | < 0.34       | < 0.68       | < 0.68       | < 0.68       | < 0.34       | < 0.47       | < 0.50       | < 5           | < 13         | < 1.3        | < 1.3        | < 27.6         | < 1.0        | < 3.2        |
| Chloroform                 | 0.6        | 6           | < 0.37       | < 0.36       | < 0.2        | < 0.2        | < 0.4        | < 0.2        | < 0.4        | < 0.40       | < 0.40       | < 0.20       | < 0.37       | < 0.12       | <b>1.2 J</b>  | < 3.1        | < 1.3        | < 1.3        | < 23.7         | < 0.74       | < 1.8        |
| Chloromethane              | 3          | 30          | < 0.32       | < 0.23       | < 0.18       | < 0.18       | < 0.36       | < 0.18       | < 0.36       | < 0.36       | < 0.36       | < 0.18       | < 0.32       | 0.92 BJ      | <b>5.2 J+</b> | < 8.0        | < 2.2        | < 2.2        | < 32.7         | < 0.64       | < 1.1        |
| cis-1,2-Dichloroethene     | 7          | 70          | 0.84 J       | 0.68 J       | < 0.12       | < 0.12       | <b>22</b>    | <b>21</b>    | <b>22</b>    | <b>19</b>    | <b>24</b>    | <b>22</b>    | <b>30</b>    | <b>30</b>    | <b>32</b>     | <b>34</b>    | <b>29</b>    | <b>22</b>    | <b>46.7</b>    | <b>32</b>    | <b>19</b>    |
| Di-isopropyl ether         | NE         | NE          | < 0.28       | < 1.1        | < 0.15       | < 0.15       | < 0.3        | < 0.15       | < 0.3        | < 0.30       | < 0.30       | < 0.15       | < 0.28       | < 0.30       | < 3           | < 7.5        | < 1.9        | < 1.9        | < 22.0         | < 0.55       | < 5.5        |
| Dichlorodifluoromethane    | 200        | 1000        | < 0.67       | < 0.30       | < 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       | < 0.50       | < 9.1          | < 1.3        | < 1.5        |
| Ethylbenzene               | 140        | 700         | < 0.18       | < 0.14       | < 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       | < 0.32       | < 6.5          | < 0.37       | < 0.72       |
| Isopropylbenzene           | NE         | NE          | < 0.39       | < 0.16       | < 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       | < 1.7        | < 20.0         | < 0.77 J-    | < 0.79       |
| m,p-Xylene                 | 400        | 2000        | < 0.18       | < 0.36       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.11       | 1.2 BJ        | < 2.9        | < 0.47       | < 0.47       | < 14.0         | < 0.36       | < 1.8        |
| Methyl tert-butyl ether    | 12         | 60          | < 0.39       | < 0.25       | < 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        | < 1.2        | < 22.6         | < 0.79       | < 1.3        |
| Methylene chloride         | 0.5        | 5           | < 1.6        | < 0.94       | < 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       | < 0.58       | < 6.4          | < 3.3        | < 4.7        |
| Naphthalene                | 10         | 100         | < 0.34       | < 0.99       | < 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        | < 1.2        | < 22.6         | < 0.67       | < 5.0        |
| n-Butylbenzene             | NE         | NE          | < 0.39       | < 0.23       | < 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       | < 0.71       | < 17.1         | < 0.78       | < 1.2        |
| n-Hexane                   | 120        | 600         | < 0.49       | < 0.16       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.42       | < 4.2         | < 11         | < 1.7        | < 1.7        | < 29.2         | < 0.98 UJ    | < 0.82       |
| n-Propylbenzene            | NE         | NE          | < 0.41       | < 0.18       | < 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       | < 0.81       | < 6.9          | < 0.83       | < 0.92       |
| o-Xylene                   | 400        | 2000        | < 0.22       | < 0.11       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.12       | < 1.2         | < 2.9        | < 0.26       | < 0.26       | < 7.0          | < 0.44       | < 0.57       |
| p-Isopropyltoluene         | NE         | NE          | < 0.36       | < 0.19       | < 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       | < 0.80       | < 20.9         | < 0.72       | < 0.93       |
| sec-Butylbenzene           | NE         | NE          | < 0.40       | < 0.20       | < 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       | < 0.85       | < 8.5          | < 0.80       | < 1.0        |
| Styrene                    | 10         | 100         | < 0.39       | < 0.13       | < 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       | < 3.0        | < 7.1          | < 0.77       | < 0.63       |
| tert-Butylbenzene          | NE         | NE          | < 0.40       | < 0.18       | < 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       | < 0.30       | < 11.7         | < 0.80       | < 0.89       |
| Tetrachloroethene          | 0.5        | 5           | <b>32</b>    | <b>27</b>    | <b>1.2</b>   | <b>9.2</b>   | <b>520</b>   | <b>520</b>   | <b>640</b>   | <b>630</b>   | <b>890</b>   | <b>640 E</b> | <b>690</b>   | <b>730</b>   | <b>840</b>    | <b>920</b>   | <b>654</b>   | <b>531</b>   | <b>1430 J+</b> | <b>1000</b>  | <b>840</b>   |
| Toluene                    | 160        | 800         | < 0.15       | < 0.32       | < 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       | < 0.27       | < 5.8          | < 0.30       | < 1.6        |
| trans-1,2-Dichloroethene   | 20         | 100         | < 0.35       | < 0.37       | < 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        | < 0.46       | < 10.6         | < 0.70       | < 1.8        |
| Trichloroethene            | 0.5        | 5           | <b>1.8</b>   | <b>1.4</b>   | < 0.19       | <b>0.78</b>  | <b>42</b>    | <b>37</b>    | <b>37</b>    | <b>33</b>    | <b>46</b>    | <b>40</b>    | <b>57</b>    | <b>58</b>    | <b>60</b>     | <b>64</b>    | <b>54.6</b>  | <b>49</b>    | <b>99</b>      | <b>73</b>    | <b>50</b>    |
| Trichlorofluoromethane     | 698        | 3490        | < 0.43       | < 0.20       | < 0.19       | < 0.19       | < 0.38       | < 0.19       | < 0.38       | < 2.0        | < 2.0        | < 1.0        |              |              |               |              |              |              |                |              |              |

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WELL ID                   | SCREEN INTERVAL (feet bgs) | PREVENTIVE ACTION LIMIT | ENFORCEMENT STANDARD | MP-15<br>88 - 92 ft<br>01/22/2013 | MP-15<br>88 - 92 ft<br>04/15/2013 | MP-15<br>88 - 92 ft<br>07/22/2013 | MP-15<br>88 - 92 ft<br>10/08/2013 | MP-15<br>88 - 92 ft<br>04/15/2014 | MP-15<br>88 - 92 ft<br>10/16/2014 | MP-15<br>88 - 92 ft<br>04/14/2015 | MP-15<br>88 - 92 ft<br>10/15/2015 | MP-15<br>88 - 92 ft<br>10/10/2016 | MP-15<br>88 - 92 ft<br>10/03/2017 | MP-15<br>88 - 92 ft<br>10/09/2018 | MP-15<br>88 - 92 ft<br>10/08/2019 | MP-15<br>88 - 92 ft<br>10/13/2020 | MP-15<br>88 - 92 ft<br>10/12/2021 | MP-15<br>88 - 92 ft<br>10/18/2022 | MP-15<br>88 - 92 ft<br>10/10/2023 | MP-15<br>88 - 92 ft<br>10/22/2024 | MP-15<br>100 - 105 ft<br>01/22/2013 | MP-15<br>100 - 105 ft<br>04/15/2013 | MP-15<br>100 - 105 ft<br>07/22/2013 | MP-15<br>100 - 105 ft<br>10/08/2013 | MP-15<br>100 - 105 ft<br>04/15/2014 |
|---------------------------|----------------------------|-------------------------|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| SAMPLE DATE               |                            |                         |                      |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                     |                                     |                                     |                                     |                                     |
| VOCS                      |                            |                         |                      |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                     |                                     |                                     |                                     |                                     |
| 1,1,1,2-Tetrachloroethane | 7                          | 70                      | < 0.25               | < 0.25                            | < 0.25                            | < 0.25                            | < 0.25                            | < 0.25                            | < 0.25                            | < 0.25                            | < 0.46                            | < 1.1                             | < 0.55                            | < 0.11                            | < 0.27                            | < 0.27                            | < 1.8                             | < 1.8                             | < 0.46                            | < 0.31                            | < 0.25                              | < 0.25                              | < 0.25                              | < 0.5                               | < 0.50                              |
| 1,1,1-Trichloroethane     | 40                         | 200                     | < 0.2                | < 0.2                             | < 0.2                             | < 0.2                             | < 0.2                             | < 0.20                            | < 0.20                            | < 0.20                            | < 0.38                            | < 1.0                             | < 0.5                             | < 0.10                            | < 0.24                            | < 0.24                            | < 1.5                             | < 1.5                             | < 0.38                            | < 0.78                            | < 0.2                               | < 0.2                               | < 0.2                               | < 0.4                               | < 0.40                              |
| 1,1,2-Trichloroethane     | 0.5                        | 5                       | < 0.28               | 2.2                               | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.35                            | < 1.0                             | < 0.5                             | < 0.10                            | < 0.55                            | < 0.55                            | < 1.7                             | < 1.7                             | < 0.35                            | < 0.54                            | < 0.28                              | < 0.28                              | < 0.28                              | < 0.56                              | < 0.56                              |
| 1,1-Dichloroethene        | 0.7                        | 7                       | < 0.31               | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.39                            | < 1.4                             | < 0.7                             | < 0.14                            | < 0.24                            | < 0.24                            | < 2.9                             | < 2.9                             | < 0.39                            | < 0.46                            | < 0.31                              | < 0.31                              | < 0.31                              | < 0.62                              | < 0.62                              |
| 1,2,4-Trimethylbenzene    | 96                         | 480                     | < 0.14               | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.36                            | < 0.60                            | < 0.3                             | < 0.060                           | < 0.84                            | < 0.84                            | < 2.2                             | < 2.2                             | < 0.36                            | < 0.30                            | < 0.14                              | < 0.14                              | < 0.14                              | < 0.28                              | < 0.28                              |
| 1,2-Dibromoethane         | 0.005                      | 0.05                    | < 0.36               | < 0.36                            | < 0.36                            | < 0.36                            | < 0.36                            | < 0.36                            | < 0.36                            | < 0.36                            | < 0.39                            | < 1.3                             | < 0.65                            | < 0.13                            | < 0.83                            | < 0.83                            | < 1.5                             | < 1.5                             | < 0.39                            | < 0.37                            | < 0.36                              | < 0.36                              | < 0.36                              | < 0.72                              | < 0.72                              |
| 1,2-Dichlorobenzene       | 60                         | 600                     | < 0.27               | < 0.27                            | < 0.27                            | < 0.27                            | < 0.27                            | < 0.27                            | < 0.27                            | < 0.27                            | < 0.33                            | < 0.76                            | < 0.38                            | < 0.076                           | < 0.71                            | < 0.71                            | < 1.6                             | < 1.6                             | < 0.33                            | < 0.29                            | < 0.27                              | < 0.27                              | < 0.27                              | < 0.54                              | < 0.54                              |
| 1,2-Dichloroethane        | 0.5                        | 5                       | < 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                            | 0.40 J                            | < 1.5                             | < 1.5                             | < 0.39                            | < 0.56                            | < 0.28                              | < 0.28                              | < 0.28                              | < 0.56                              | < 0.56                              |
| 1,2-Dichloropropane       | 0.5                        | 5                       | < 0.2                | < 0.2                             | < 0.2                             | < 0.2                             | < 0.2                             | < 0.20                            | < 0.20                            | < 0.20                            | < 0.43                            | < 1.0                             | < 0.5                             | < 0.10                            | < 0.28                            | < 0.28                            | < 2.2                             | < 2.2                             | < 0.43                            | < 0.49                            | < 0.2                               | < 0.2                               | < 0.2                               | < 0.4                               | < 0.40                              |
| 1,2,3-Trichlorobenzene    | NE                         | NE                      | < 0.24               | < 0.24                            | < 0.24                            | < 0.24                            | < 0.24                            | < 0.24                            | < 0.24                            | < 0.24                            | < 0.46                            | < 0.45                            | < 0.23                            | < 0.045                           | < 0.63                            | < 2.2                             | < 5.1                             | < 5.1                             | < 0.46                            | < 2.4                             | < 0.24                              | < 0.24                              | < 0.24                              | < 0.48                              | < 0.48                              |
| 1,2,4-Trichlorobenzene    | 14                         | 70                      | < 0.31               | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.34                            | < 0.77                            | < 0.39                            | < 0.077                           | < 0.95                            | < 0.95                            | < 4.8                             | < 4.8                             | < 0.34                            | < 1.2                             | < 0.31                              | < 0.31                              | < 0.31                              | < 0.62                              | < 0.62                              |
| 1,3,5-Trimethylbenzene    | 96                         | 480                     | < 0.18               | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.25                            | < 0.75                            | < 0.38                            | < 0.075                           | < 0.87                            | < 0.87                            | < 1.8                             | < 1.8                             | < 0.25                            | < 0.24                            | < 0.18                              | < 0.18                              | < 0.18                              | < 0.36                              | < 0.36                              |
| 2-Butanone                | 800                        | 4000                    | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | < 30                              | < 15                              | < 3.0                             | < 2.9                             | < 2.9                             | < 32.6                            | < 32.6                            | < 2.1                             | < 9.2                             | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| 2-Hexanone                | NE                         | NE                      | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | < 9.5                             | < 4.8                             | < 0.95                            | < 2.5                             | < 5.2                             | < 31.4                            | < 31.4                            | < 1.6                             | < 1.6                             | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| 4-Methyl-2-pentanone      | 50                         | 500                     | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | < 7.7                             | < 3.9                             | < 0.77                            | < 1.5                             | < 4.6                             | < 29.8                            | < 29.8                            | < 2.2                             | < 2.0                             | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| Acetone                   | 1800                       | 9000                    | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | < 34                              | 26 BJ                             | < 3.4                             | < 2.7                             | < 2.7                             | < 43.2                            | < 43.2                            | < 1.7                             | < 13                              | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| Benzene                   | 0.5                        | 5                       | < 0.074              | < 0.074                           | < 0.074                           | < 0.074                           | < 0.074                           | < 0.074                           | < 0.074                           | < 0.074                           | < 0.15                            | < 0.89                            | < 0.45                            | < 0.089                           | < 0.25                            | < 0.25                            | < 1.5                             | < 1.5                             | < 0.15                            | < 0.29                            | < 0.074                             | < 0.074                             | < 0.074                             | < 0.15                              | < 0.15                              |
| Bromodichloromethane      | 0.06                       | 0.6                     | < 0.17               | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.37                            | < 0.77                            | < 0.39                            | < 0.077                           | < 0.36                            | < 0.36                            | < 2.1                             | < 2.1                             | < 0.37                            | < 0.37                            | < 0.17                              | < 0.17                              | < 0.17                              | < 0.34                              | < 0.34                              |
| Bromoform                 | 0.44                       | 4.4                     | < 0.28               | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.28                            | < 0.48                            | < 0.88                            | < 0.44                            | < 0.088                           | < 4.0                             | < 4.0                             | < 19.0                            | < 19.0                            | < 0.48                            | < 0.49                            | < 0.28                              | < 0.28                              | < 0.28                              | < 0.56                              | < 0.56                              |
| Bromomethane              | 1                          | 10                      | < 0.31               | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.31                            | < 0.80                            | < 5.9                             | < 3                               | < 0.59                            | < 0.97                            | < 0.97                            | < 6.0                             | < 6.0                             | < 0.80                            | < 4.7                             | < 0.31                              | < 0.31                              | < 0.31                              | < 0.62                              | < 0.62                              |
| Carbon disulfide          | 200                        | 1000                    | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | 3.1 J                             | < 0.27                            | < 0.053                           | < 0.37                            | < 0.45                            | < 5.5                             | < 5.5                             | < 0.45                            | < 0.51                            | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| Carbon tetrachloride      | 0.5                        | 5                       | < 0.26               | < 0.26                            | < 0.26                            | < 0.26                            | < 0.26                            | < 0.26                            | < 0.26                            | < 0.26                            | < 0.38                            | < 0.38                            | < 0.19                            | < 0.038                           | < 0.17                            | < 1.1                             | < 1.8                             | < 1.8                             | < 0.38                            | < 0.45                            | < 0.26                              | < 0.26                              | < 0.26                              | < 0.52                              | < 0.52                              |
| Chloroethane              | 80                         | 400                     | < 0.34               | < 0.34                            | < 0.34                            | < 0.34                            | < 0.34                            | < 0.34                            | < 0.34                            | < 0.34                            | < 0.47                            | < 2.5                             | < 1.3                             | < 0.25                            | < 1.3                             | < 1.3                             | < 6.9                             | < 6.9                             | < 0.51                            | < 1.3                             | < 0.34                              | < 0.34                              | < 0.34                              | < 0.68                              | < 0.68                              |
| Chloroform                | 0.6                        | 6                       | < 0.2                | < 0.2                             | < 0.2                             | < 0.2                             | < 0.20                            | < 0.20                            | < 0.20                            | < 0.20                            | < 0.37                            | < 0.62                            | < 0.31                            | < 0.062                           | < 1.3                             | < 1.3                             | < 5.9                             | < 5.9                             | < 0.37                            | < 0.72                            | < 0.2                               | < 0.2                               | < 0.2                               | < 0.4                               | < 0.40                              |
| Chloromethane             | 3                          | 30                      | < 0.18               | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.18                            | < 0.32                            | 11 BJ                             | 1.3 J+                            | < 20.9 U                          | < 2.2                             | < 2.2                             | < 8.2                             | < 8.2                             | < 0.32                            | < 0.45                            | < 0.18                              | < 0.18                              | < 0.18                              | < 0.36                              | < 0.36                              |
| cis-1,2-Dichloroethene    | 7                          | 70                      | 7.5                  | 23                                | 14                                | 20                                | 23                                | 12                                | 17                                | 15                                | 25                                | 17                                | 12                                | 24.9                              | 26.8                              | 27.6                              | 31.2                              | 27                                | 25                                |                                   | 9.3                                 | 37                                  | 68                                  | 76                                  | 96                                  |
| Di-isopropyl ether        | NE                         | NE                      | < 0.15               | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.28                            | < 1.5                             | < 0.75                            | < 0.15                            | < 1.9                             | < 1.9                             | < 5.5                             | < 5.5                             | < 0.28                            | < 2.2                             | < 0.15                              | < 0.15                              | < 0.15                              | < 0.3                               | < 0.30                              |
| Dichlorodifluoromethane   | 200                        | 1000                    | < 0.2                | < 0.2                             | < 0.2                             | < 0.2                             | < 0.20                            | < 0.20                            | < 0.20                            | < 0.20                            | < 0.54                            | < 1.1                             | < 0.55                            | < 0.16 J                          | < 0.50                            | < 0.50                            | < 2.3                             | < 2.3                             | < 0.67                            | < 0.60                            | < 0.2                               | < 0.2                               | < 0.2                               | < 0.4                               | < 0.40                              |
| Ethylbenzene              | 140                        | 700                     | < 0.13               | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.18                            | < 0.54                            | < 0.27                            | < 0.054                           | < 0.22                            | < 0.32                            | < 1.6                             | < 1.6                             | < 0.18                            | < 0.29                            | < 0.13                              | < 0.13                              | < 0.13                              | < 0.26                              | < 0.26                              |
| Isopropylbenzene          | NE                         | NE                      | < 0.14               | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.39                            | < 0.81                            | < 0.41                            | < 0.081                           | < 0.39                            | < 1.7                             | < 5.0                             | < 5.0                             | < 0.39 J-                         | < 0.31                            | < 0.14                              | < 0.14                              | < 0.14                              | < 0.28                              | < 0.28                              |
| m,p-Xylene                | 400                        | 2000                    | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | < 0.57                            | 0.3 BJ                            | < 0.057                           | < 0.47                            | < 0.47                            | < 3.5                             | < 3.5                             | < 0.18                            | < 0.71                            | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| Methyl tert-butyl ether   | 12                         | 60                      | 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                             | < 1.2                             | < 5.6                             | < 5.6                             | < 0.39                            | < 0.50                            | 2.2                               | 1.3                                 | < 0.24                              | < 0.48                              | < 0.48                              |                                     |
| Methylene chloride        | 0.5                        | 5                       | < 0.68               | < 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                            | < 0.58                            | < 1.6                             | < 1.6                             | < 1.6                             | < 1.9                             | < 0.68                              | < 0.68                              | < 0.68                              | < 1.4                               | < 1.4                               |
| Naphthalene               | 10                         | 100                     | < 0.16               | < 0.16                            | < 0.16                            | < 0.16                            | < 0.16                            | < 0.16                            | < 0.16                            | < 0.16                            | < 0.34                            | < 0.88                            | < 0.44                            | < 0.088                           | < 1.2                             | < 1.2                             | < 5.6                             | < 5.6                             | < 0.34                            | < 2.0                             | < 0.16                              | < 0.16                              | < 0.16                              | < 0.32                              | < 0.32                              |
| n-Butylbenzene            | NE                         | NE                      | < 0.13               | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.39                            | < 1.4                             | < 0.7                             | < 0.14                            | < 0.71                            | < 0.71                            | < 4.3                             | < 4.3                             | < 0.39                            | < 0.47                            | < 0.13                              | < 0.13                              | < 0.13                              | < 0.26                              | < 0.26                              |
| n-Hexane                  | 120                        | 600                     | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | 4.0 J                             | < 1.1                             | < 0.21                            | < 1.7                             | < 1.7                             | < 7.3                             | < 7.3                             | < 0.49 UJ                         | < 0.33                            | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| n-Propylbenzene           | NE                         | NE                      | < 0.13               | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.13                            | < 0.41                            | < 1.0                             | < 0.5                             | < 0.10                            | < 0.81                            | < 0.81                            | < 1.7                             | < 1.7                             | < 0.41                            | < 0.37                            | < 0.13                              | < 0.13                              | < 0.13                              | < 0.26                              | < 0.26                              |
| o-Xylene                  | 400                        | 2000                    | NA                   | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | NA                                | < 0.58                            | < 0.29                            | < 0.058                           | < 0.26                            | < 0.26                            | < 1.7                             | < 1.7                             | < 0.22                            | < 0.23                            | NA                                  | NA                                  | NA                                  | NA                                  | NA                                  |
| p-Isopropyltoluene        | NE                         | NE                      | < 0.17               | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.17                            | < 0.36                            | < 0.85                            | < 0.43                            | < 0.085                           | < 0.80                            | < 0.80                            | < 5.2                             | < 5.2                             | < 0.36                            | < 0.37                            | < 0.17                              | < 0.17                              | < 0.17                              | < 0.34                              | < 0.34                              |
| sec-Butylbenzene          | NE                         | NE                      | < 0.15               | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.15                            | < 0.40                            | < 1.3                             | < 0.65                            | < 0.13                            | < 0.85                            | < 0.85                            | < 2.1                             | < 2.1                             | < 0.40                            | < 0.41                            | < 0.15                              | < 0.15                              | < 0.15                              | < 0.3                               | < 0.30                              |
| Styrene                   | 10                         | 100                     | < 0.1                | < 0.1                             | < 0.1                             | < 0.1                             | < 0.10                            | < 0.10                            | < 0.10                            | < 0.10                            | < 0.39                            | < 0.65                            | 0.35 BJ                           | < 0.065                           | < 0.47                            | < 3.0                             | < 1.8                             | < 1.8                             | < 0.39                            | < 0.25                            | < 0.1                               | < 0.1                               | < 0.1                               | < 0.2                               | < 0.20                              |
| tert-Butylbenzene         | NE                         | NE                      | < 0.14               | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | < 0.14                            | <                                 |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                     |                                     |                                     |                                     |                                     |

Notes on Page 68.



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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) | ACTION LIMIT | STANDARD    | 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 | 100 - 105 ft | 100 - 105 ft | 100 - 105 ft | 100 - 105 ft | 100 - 105 ft | 100 - 105 ft | 100 - 105 ft |            |
| SAMPLE DATE                |              |             | 10/16/2014   | 04/14/2015   | 10/15/2015   | 10/10/2016   | 10/03/2017   | 10/09/2018   | 10/08/2019   | 10/13/2020   | 10/12/2021   | 10/18/2022   | 10/10/2023   | 10/22/2024   | 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 |            |
|                            |              |             |              |              |              |              |              |              |              |              |              |              |              |              | 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 |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.50       | < 0.25       | < 0.46       | < 2.2        | < 2.2        | < 5.5        | < 0.27       | < 0.27       | < 7.1        | < 1.8        | < 0.46       | < 1.6        | < 0.5        | < 0.5        | < 1.3        | < 1.3        | < 1.3        | < 1.3        | < 1.3        | < 0.92       | < 11         | < 5.5      |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.40       | < 0.20       | < 0.38       | < 2.0        | < 2          | < 5.0        | < 0.24       | < 0.24       | < 6.1        | < 1.5        | < 0.38       | < 3.9        | < 0.4        | < 0.4        | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 0.76       | < 10         | < 5        |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.56       | < 0.28       | < 0.35       | < 2.0        | < 2          | < 5.0        | < 0.55       | < 0.55       | < 6.9        | < 1.7        | < 0.35       | < 2.7        | < 0.56       | < 0.56       | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.70       | < 10         | < 5        |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.62       | < 0.31       | < 0.39       | < 2.8        | < 2.8        | < 7.0        | < 0.24       | < 0.24       | < 11.6       | < 2.9        | < 0.39       | < 2.3        | < 0.62       | < 0.62       | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 0.78       | < 14         | < 7        |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.28       | < 0.14       | < 0.36       | < 1.2        | < 1.2        | < 3.0        | < 0.84       | < 0.84       | < 9.0        | < 2.2        | < 0.36       | < 1.5        | < 0.28       | < 0.28       | < 0.7        | < 0.7        | < 0.70       | < 0.70       | < 0.70       | < 0.72       | < 6.0        | < 3        |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.72       | < 0.36       | < 0.39       | < 2.6        | < 2.6        | < 6.5        | < 0.83       | < 0.83       | < 6.2        | < 1.5        | < 0.39       | < 1.8        | < 0.72       | < 0.72       | < 1.8        | < 1.8        | < 1.8        | < 1.8        | < 1.8        | < 0.77       | < 13         | < 6.5      |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.54       | < 0.27       | < 0.33       | < 1.5        | < 1.5        | < 3.8        | < 0.71       | < 0.71       | < 6.5        | < 1.6        | < 0.33       | < 1.4        | < 0.54       | < 0.54       | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.67       | < 7.6        | < 3.8      |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.56       | < 0.28       | < 0.39       | < 1.6        | < 1.6        | < 3.9        | < 0.28       | < 0.28       | < 5.8        | < 1.5        | < 0.39       | < 2.8        | < 0.56       | < 0.56       | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.78       | < 7.8        | < 3.9      |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.40       | < 0.20       | < 0.43       | < 2.0        | < 2          | < 5.0        | < 0.28       | < 0.28       | < 9.0        | < 2.2        | < 0.43       | < 2.4        | < 0.4        | < 0.4        | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 0.86       | < 10         | < 5        |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.48       | < 0.24       | < 0.46       | < 0.90       | < 0.9        | < 2.3        | < 0.63       | < 2.2        | < 20.4       | < 5.1        | < 0.46       | < 12         | < 0.48       | < 0.48       | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.92       | < 4.5        | < 2.3      |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.62       | < 0.31       | < 0.34       | < 1.5        | < 1.5        | < 3.9        | < 0.95       | < 0.95       | < 19.0       | < 4.8        | < 0.34       | < 5.8        | < 0.62       | < 0.62       | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 0.68       | < 7.7        | < 3.9      |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.18       | < 0.25       | < 1.5        | < 1.5        | < 3.8        | < 0.87       | < 0.87       | < 7.1        | < 1.8        | < 0.25       | < 1.2        | < 0.36       | < 0.36       | < 0.9        | < 0.9        | < 0.90       | < 0.90       | < 0.90       | < 0.51       | < 7.5        | < 3.8      |
| 2-Butanone                 | 800          | 4000        | NA           | NA           | NA           | < 60         | < 60         | < 150        | < 2.9        | < 2.9        | < 130        | < 32.6       | < 2.1        | < 46         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 300        | < 150      |
| 2-Hexanone                 | NE           | NE          | NA           | NA           | NA           | < 19         | < 19         | < 48         | < 2.5        | < 5.2        | < 126        | < 31.4       | < 1.6        | < 8.1        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 95         | < 48       |
| 4-Methyl-2-pentanone       | 50           | 500         | NA           | NA           | NA           | < 15         | < 15         | < 39         | < 1.5        | < 4.6        | < 119        | < 29.8       | < 2.2        | < 9.8        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 77         | < 39       |
| Acetone                    | 1800         | 9000        | NA           | NA           | NA           | < 68         | < 68         | < 170        | < 2.7        | < 2.7        | < 173        | < 43.2       | < 1.7        | < 66         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 340        | < 170      |
| Benzene                    | 0.5          | 5           | < 0.15       | < 0.074      | < 0.15       | < 1.8        | < 1.8        | < 4.5        | < 0.25       | < 0.25       | < 5.9        | < 1.5        | < 0.15       | < 1.4        | < 0.15       | < 0.15       | < 0.37       | < 0.37       | < 0.37       | < 0.37       | < 0.37       | < 0.29       | < 8.9        | < 4.5      |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.34       | < 0.17       | < 0.37       | < 1.5        | < 1.5        | < 3.9        | < 0.36       | < 0.36       | < 8.3        | < 2.1        | < 0.37       | < 1.9        | < 0.34       | < 0.34       | < 0.85       | < 0.85       | < 0.85       | < 0.85       | < 0.85       | < 0.74       | < 7.7        | < 3.9      |
| Bromoform                  | 0.44         | 4.4         | < 0.56       | < 0.28       | < 0.48       | < 1.8        | < 1.8        | < 4.4        | < 4.0        | < 4.0        | < 76.0       | < 19.0       | < 0.48       | < 2.5        | < 0.56       | < 0.56       | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.97       | < 8.8        | < 4.4      |
| Bromomethane               | 1            | 10          | < 0.62       | < 0.31       | < 0.80       | < 12         | < 12         | < 30         | < 0.97       | < 0.97       | < 23.8       | < 6.0        | < 0.80       | < 24         | < 0.62       | < 0.62       | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 59         | < 30       |
| Carbon disulfide           | 200          | 1000        | NA           | NA           | NA           | 5.6 J        | < 1.1        | < 2.7        | < 0.37       | < 0.45       | < 22.0       | < 5.5        | < 0.45       | < 2.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | 29 J         | < 2.7      |
| Carbon tetrachloride       | 0.5          | 5           | < 0.52       | < 0.26       | < 0.38       | < 0.76       | < 0.76       | < 1.9        | < 0.17       | < 1.1        | < 7.4        | < 1.8        | < 0.38       | < 2.3        | < 0.52       | < 0.52       | < 1.3        | < 1.3        | < 1.3        | < 1.3        | < 1.3        | < 0.77       | < 3.8        | < 1.9      |
| Chloroethane               | 80           | 400         | < 0.68       | < 0.34       | < 0.47       | < 5.0        | < 5          | < 13         | < 1.3        | < 1.3        | < 27.6       | < 6.9        | < 0.51       | < 6.4        | < 0.68       | < 0.68       | < 1.7        | < 1.7        | < 1.7        | < 1.7        | < 1.7        | < 0.94       | < 25         | < 13       |
| Chloroform                 | 0.6          | 6           | < 0.40       | < 0.20       | < 0.37       | < 1.2        | < 1.2        | < 3.1        | < 1.3        | < 1.3        | < 23.7       | < 5.9        | < 0.37       | < 3.6        | < 0.4        | < 0.4        | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 0.74       | < 6.2        | < 3.1      |
| Chloromethane              | 3            | 30          | < 0.36       | < 0.18       | < 0.32       | 21 BJ        | < 3.2        | < 17 U       | < 2.2        | < 2.2        | < 32.7       | < 8.2        | < 0.32       | < 2.3        | < 0.36       | < 0.36       | < 0.9        | < 0.9        | < 0.90       | < 0.90       | < 0.90       | < 0.64       | 96 BJ        | < 8        |
| cis-1,2-Dichloroethene     | 7            | 70          | 83           | 66           | 77           | 61           | 79           | 69           | 52.5         | 37.3         | 26.8         | 36.3         | 30           | < 3.2        | 200          | 230          | 250          | 220          | 230          | 260          | 200          | 230          | 220          | 140        |
| Di-isopropyl ether         | NE           | NE          | < 0.30       | < 0.15       | < 0.28       | < 3.0        | < 3          | < 7.5        | < 1.9        | < 1.9        | < 22.0       | < 5.5        | < 0.28       | < 11         | < 0.3        | < 0.3        | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 0.55       | < 15         | < 7.5      |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.40       | < 0.20       | < 0.54       | < 2.2        | < 2.2        | < 5.5        | < 0.50       | < 0.50       | < 9.1        | < 2.3        | < 0.67       | < 3.0        | < 0.4        | < 0.4        | < 1          | < 1          | < 1.0        | < 1.0        | < 1.0        | < 1.1        | < 11         | < 5.5      |
| Ethylbenzene               | 140          | 700         | < 0.26       | < 0.13       | < 0.18       | < 1.1        | < 1.1        | < 2.7        | < 0.22       | < 0.32       | < 6.5        | < 1.6        | < 0.18       | < 1.4        | < 0.26       | < 0.26       | < 0.65       | < 0.65       | < 0.65       | < 0.65       | < 0.65       | < 0.37       | < 5.4        | < 2.7      |
| Isopropylbenzene           | NE           | NE          | < 0.28       | < 0.14       | < 0.39       | < 1.6        | < 1.6        | < 4.1        | < 0.39       | < 1.7        | < 20.0       | < 5.0        | < 0.39 J-    | < 1.6        | < 0.28       | < 0.28       | < 0.7        | < 0.7        | < 0.70       | < 0.70       | < 0.70       | < 0.77       | < 8.1        | < 4.1      |
| m,p-Xylene                 | 400          | 2000        | NA           | NA           | NA           | < 1.1        | < 1.1        | < 2.9        | < 0.47       | < 0.47       | < 14.0       | < 3.5        | < 0.18       | < 3.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 5.7        | < 2.9      |
| Methyl tert-butyl ether    | 12           | 60          | < 0.48       | < 0.24       | < 0.39       | < 2.8        | < 2.8        | < 7.0        | < 1.2        | < 1.2        | < 22.6       | < 5.6        | < 0.39       | < 2.5        | < 0.48       | < 0.48       | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.79       | < 14         | < 7        |
| Methylene chloride         | 0.5          | 5           | < 1.4        | < 0.68       | < 1.6        | < 2.8        | < 2.8        | < 7.0        | < 0.58       | < 0.58       | < 6.4        | < 1.6        | < 1.6        | < 9.4        | < 1.4        | < 1.4        | < 3.4        | < 3.4        | < 3.4        | < 3.4        | < 3.4        | < 3.3        | < 14         | < 7        |
| Naphthalene                | 10           | 100         | < 0.32       | < 0.16       | < 0.34       | < 1.8        | < 1.8        | < 4.4        | < 1.2        | < 1.2        | < 22.6       | < 5.6        | < 0.34       | < 9.9        | < 0.32       | < 0.32       | < 0.8        | < 0.8        | < 0.80       | < 0.80       | < 0.80       | < 0.67       | < 8.8        | < 4.4      |
| n-Butylbenzene             | NE           | NE          | < 0.26       | < 0.13       | < 0.39       | < 2.8        | < 2.8        | < 7.0        | < 0.71       | < 0.71       | < 17.1       | < 4.3        | < 0.39       | < 2.3        | < 0.26       | < 0.26       | < 0.65       | < 0.65       | < 0.65       | < 0.65       | < 0.65       | < 0.78       | < 14         | < 7        |
| n-Hexane                   | 120          | 600         | NA           | NA           | NA           | 6.2 J        | < 4.2        | < 11         | < 1.7        | < 1.7        | < 29.2       | < 7.3        | < 0.49 UJ    | < 1.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 21         | < 11       |
| n-Propylbenzene            | NE           | NE          | < 0.26       | < 0.13       | < 0.41       | < 2.0        | < 2          | < 5.0        | < 0.81       | < 0.81       | < 6.9        | < 1.7        | < 0.41       | < 1.8        | < 0.26       | < 0.26       | < 0.65       | < 0.65       | < 0.65       | < 0.65       | < 0.65       | < 0.83       | < 10         | < 5        |
| o-Xylene                   | 400          | 2000        | NA           | NA           | NA           | < 1.2        | < 1.2        | < 2.9        | < 0.26       | < 0.26       | < 7.0        | < 1.7        | < 0.22       | < 1.1        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 5.8        | < 2.9      |
| p-Isopropyltoluene         | NE           | NE          | < 0.34       | < 0.17       | < 0.36       | < 1.7        | < 1.7        | < 4.3        | < 0.80       | < 0.80       | < 20.9       | < 5.2        | < 0.36       | < 1.9        | < 0.34       | < 0.34       | < 0.85       | < 0.85       | < 0.85       | < 0.85       | < 0.85       | < 0.72       | < 8.5        | < 4.3      |
| sec-Butylbenzene           | NE           | NE          | < 0.30       | < 0.15       | < 0.40       | < 2.6        | < 2.6        | < 6.5        | < 0.85       | < 0.85       | < 8.5        | < 2.1        | < 0.40       | < 2.0        | < 0.3        | < 0.3        | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 0.75       | < 0.80       | < 13         | < 6.5      |
| Styrene                    | 10           | 100         | < 0.20       | < 0.10       | < 0.39       | < 1.3        | 1.6 BJ       | < 3.3        | < 0.47       | < 3.0        | < 7.1        | < 1.8        | < 0.39       | < 1.3        | < 0.2        | < 0.2        | < 0.5        | < 0.5        | < 0.50       | < 0.50       | < 0.50       | < 0.77       | < 6.5        | 4 BJ       |
| tert-Butylbenzene          | NE           | NE          | < 0.28       | < 0.14       | < 0.40       | < 2.4        | < 2.4        | < 6.0        | < 0.30       | < 0.30       | < 11.7       | < 2.9        | < 0.40       | < 1.8        | < 0.28       | < 0.28       | < 0.7        | < 0.7        | < 0.70</     |              |              |              |              |            |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | 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) | ACTION     | LIMIT       | 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 | 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 |
| SAMPLE DATE                | STANDARD   | STANDARD    | 10/09/2018   | 10/08/2019   | 10/13/2020   | 10/12/2021   | 10/18/2022   | 10/10/2023   | 10/22/2024   | 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   | 10/13/2020   | 10/12/2021   |
| VOCs                       |            |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 5.5        | < 0.27       | < 0.27       | < 7.1        | < 3.6        | < 0.46       | < 1.6        | < 0.25       | < 0.25       | < 0.25       | < 0.5        | < 0.50       | < 0.50       | < 0.50       | < 0.92       | < 4.4        | < 5.5        | < 5.5        | < 0.27       | < 0.27       | < 7.1        |
| 1,1,1-Trichloroethane      | 40         | 200         | < 5.0        | < 0.24       | < 0.24       | < 6.1        | < 3.0        | < 0.38       | < 3.9        | < 0.2        | < 0.2        | < 0.2        | < 0.4        | < 0.40       | < 0.40       | < 0.40       | < 0.76       | < 4.0        | < 5          | < 5.0        | < 0.24       | < 0.24       | < 6.1        |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 5.0        | < 0.55       | < 0.55       | < 6.9        | < 3.4        | < 0.35       | < 2.7        | < 0.28       | < 0.28       | < 0.28       | < 0.56       | < 0.56       | < 0.56       | < 0.56       | < 0.70       | < 4.0        | < 5          | < 5.0        | < 0.55       | < 0.55       | < 6.9        |
| 1,1-Dichloroethene         | 0.7        | 7           | < 7.0        | < 0.24       | < 0.24       | < 11.6       | < 5.8        | < 0.39       | < 2.3        | < 0.31       | < 0.31       | < 0.31       | < 0.62       | < 0.62       | < 0.62       | < 0.62       | < 0.78       | < 5.6        | < 7          | < 7.0        | 0.31 J       | < 0.24       | < 11.6       |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 3.0        | < 0.84       | < 0.84       | < 9.0        | < 4.5        | < 0.36       | < 1.5        | < 0.14       | < 0.14       | < 0.14       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.72       | < 2.4        | < 3          | < 3.0        | < 0.84       | < 0.84       | < 9.0        |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 6.5        | < 0.83       | < 0.83       | < 6.2        | < 3.1        | < 0.39       | < 1.8        | < 0.36       | < 0.36       | < 0.36       | < 0.72       | < 0.72       | < 0.72       | < 0.72       | < 0.72       | < 5.2        | < 6.5        | < 6.5        | < 0.83       | < 0.83       | < 6.2        |
| 1,2-Dichlorobenzene        | 60         | 600         | < 3.8        | < 0.71       | < 0.71       | < 6.5        | < 3.3        | < 0.33       | < 1.4        | < 0.27       | < 0.27       | < 0.27       | < 0.54       | < 0.54       | < 0.54       | < 0.54       | < 0.67       | < 3.0        | < 3.8        | < 3.8        | < 0.71       | < 0.71       | < 6.5        |
| 1,2-Dichloroethane         | 0.5        | 5           | < 3.9        | < 0.28       | < 0.28       | < 5.8        | < 2.9        | < 0.39       | < 2.8        | < 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       | < 5.8        |
| 1,2-Dichloropropane        | 0.5        | 5           | < 5.0        | < 0.28       | < 0.28       | < 9.0        | < 4.5        | < 0.43       | < 2.4        | < 0.2        | < 0.2        | < 0.2        | < 0.4        | < 0.40       | < 0.40       | < 0.40       | < 0.86       | < 4.0        | < 5          | < 5.0        | < 0.28       | < 0.28       | < 9.0        |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 2.3        | < 0.63       | < 2.2        | < 20.4       | < 10.2       | < 0.46       | < 12         | < 0.24       | < 0.24       | < 0.24       | < 0.48       | < 0.48       | < 0.48       | < 0.48       | < 0.92       | < 1.8        | < 2.3        | < 2.3        | < 0.63       | < 2.2        | < 20.4       |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 3.9        | < 0.95       | < 0.95       | < 19.0       | < 9.5        | < 0.34       | < 5.8        | < 0.31       | < 0.31       | < 0.31       | < 0.62       | < 0.62       | < 0.62       | < 0.62       | < 0.68       | < 3.1        | < 3.9        | < 3.9        | < 0.95       | < 0.95       | < 19.0       |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 3.8        | < 0.87       | < 0.87       | < 7.1        | < 3.6        | < 0.25       | < 1.2        | < 0.18       | < 0.18       | < 0.18       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.51       | < 3.0        | < 3.8        | < 3.8        | < 0.87       | < 0.87       | < 7.1        |
| 2-Butanone                 | 800        | 4000        | < 150        | < 2.9        | < 2.9        | < 130        | < 65.2       | < 2.1        | < 46         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 120        | < 150        | < 150        | < 2.9        | < 2.9        | < 130        |
| 2-Hexanone                 | NE         | NE          | < 48         | < 2.5        | < 5.2        | < 126        | < 62.8       | < 1.6        | < 8.1        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 38         | < 48         | < 48         | < 2.5        | < 5.2        | < 126        |
| 4-Methyl-2-pentanone       | 50         | 500         | < 39         | < 1.5        | < 4.6        | < 119        | < 59.5       | < 2.2        | < 9.8        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 31         | < 39         | < 39         | < 1.5        | < 4.6        | < 119        |
| Acetone                    | 1800       | 9000        | < 170        | < 2.7        | < 2.7        | < 173        | < 86.4       | < 1.7        | < 66         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 140        | 230 J        | < 170        | < 2.7        | < 2.7        | < 173        |
| Benzene                    | 0.5        | 5           | < 4.5        | < 0.25       | < 0.25       | < 5.9        | < 3.0        | < 0.15       | < 1.4        | < 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       | < 0.25       | < 5.9        |
| Bromodichloromethane       | 0.06       | 0.6         | < 3.9        | < 0.36       | < 0.36       | < 8.3        | < 4.2        | < 0.37       | < 1.9        | < 0.17       | < 0.17       | < 0.17       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.74       | < 3.1        | < 3.9        | < 3.9        | < 0.36       | < 0.36       | < 8.3        |
| Bromoform                  | 0.44       | 4.4         | < 4.4        | < 4.0        | < 4.0        | < 76.0       | < 38.0       | < 0.48       | < 2.5        | < 0.28       | < 0.28       | < 0.28       | < 0.56       | < 0.56       | < 0.56       | < 0.56       | < 0.97       | < 3.5        | < 4.4        | < 4.4        | < 4.0        | < 4.0        | < 76.0       |
| Bromomethane               | 1          | 10          | < 30         | < 0.97       | < 0.97       | < 23.8       | < 11.9       | < 0.80       | < 24         | < 0.31       | < 0.31       | < 0.31       | < 0.62       | < 0.62       | < 0.62       | < 0.62       | < 1.6        | < 24         | < 30         | < 30         | < 0.97       | < 0.97       | < 23.8       |
| Carbon disulfide           | 200        | 1000        | < 2.7        | < 0.37       | < 0.45       | < 22.0       | < 11.0       | < 0.45       | < 2.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | 10 J         | < 2.7        | < 2.7        | < 0.37       | < 0.45       | < 22.0       |
| Carbon tetrachloride       | 0.5        | 5           | < 1.9        | < 0.17       | < 1.1        | < 7.4        | < 3.7        | < 0.38       | < 2.3        | < 0.26       | < 0.26       | < 0.26       | < 0.52       | < 0.52       | < 0.52       | < 0.52       | < 0.77       | < 1.5        | < 1.9        | < 1.9        | < 0.17       | < 1.1        | < 7.4        |
| Chloroethane               | 80         | 400         | < 13         | < 1.3        | < 1.3        | < 27.6       | < 13.8       | < 0.51       | < 6.4        | < 0.34       | < 0.34       | < 0.34       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.94       | < 10         | < 13         | < 13         | < 1.3        | < 1.3        | < 27.6       |
| Chloroform                 | 0.6        | 6           | < 3.1        | < 1.3        | < 1.3        | < 23.7       | < 11.8       | < 0.37       | < 3.6        | < 0.2        | < 0.2        | < 0.2        | < 0.4        | < 0.40       | < 0.40       | < 0.40       | < 0.74       | < 2.5        | < 3.1        | < 3.1        | < 1.3        | < 1.3        | < 23.7       |
| Chloromethane              | 3          | 30          | < 8.0        | < 2.2        | < 2.2        | < 32.7       | < 16.4       | < 0.32       | < 2.3        | < 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        | < 2.2        | < 32.7       |
| cis-1,2-Dichloroethene     | 7          | 70          | 85           | 53.5         | 34.4         | 33.3         | 34.7         | 38           | 33           | 9.7          | 75           | 110          | 140          | 140          | 150          | 140          | 190          | 180          | 180          | 160          | 173          | 118          | 86.2         |
| Di-isopropyl ether         | NE         | NE          | < 7.5        | < 1.9        | < 1.9        | < 22.0       | < 11.0       | < 0.28       | < 11         | < 0.15       | < 0.15       | < 0.15       | < 0.3        | < 0.30       | < 0.30       | < 0.30       | < 0.55       | < 6.0        | < 7.5        | < 7.5        | < 1.9        | < 1.9        | < 22.0       |
| Dichlorodifluoromethane    | 200        | 1000        | < 5.5        | < 0.50       | < 0.50       | < 9.1        | < 4.6        | < 0.67       | < 3.0        | < 0.2        | < 0.2        | < 0.2        | < 0.4        | < 0.40       | < 0.40       | < 0.40       | < 1.1        | < 4.4        | < 5.5        | < 5.5        | < 0.50       | < 0.50       | < 9.1        |
| Ethylbenzene               | 140        | 700         | < 2.7        | < 0.22       | < 0.32       | < 6.5        | < 3.3        | < 0.18       | < 1.4        | < 0.13       | < 0.13       | < 0.13       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.37       | < 2.2        | < 2.7        | < 2.7        | < 0.22       | < 0.32       | < 6.5        |
| Isopropylbenzene           | NE         | NE          | < 4.1        | < 0.39       | < 1.7        | < 20.0       | < 10.0       | < 0.39 J     | < 1.6        | < 0.14       | < 0.14       | < 0.14       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.77       | < 3.2        | < 4.1        | < 4.1        | < 0.39       | < 1.7        | < 20.0       |
| m,p-Xylene                 | 400        | 2000        | < 2.9        | < 0.47       | < 0.47       | < 14.0       | < 7.0        | < 0.18       | < 3.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 2.3        | 3 BJ         | < 2.9        | < 0.47       | < 0.47       | < 14.0       |
| Methyl tert-butyl ether    | 12         | 60          | < 7.0        | < 1.2        | < 1.2        | < 22.6       | < 11.3       | < 0.39       | < 2.5        | 2.0          | < 0.24       | < 0.24       | < 0.48       | < 0.48       | < 0.48       | < 0.48       | < 0.79       | < 5.6        | < 7          | < 7.0        | < 1.2        | < 1.2        | < 22.6       |
| Methylene chloride         | 0.5        | 5           | < 7.0        | < 0.58       | < 0.58       | < 6.4        | < 3.2        | < 1.6        | < 9.4        | < 0.68       | < 0.68       | < 0.68       | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 3.3        | < 5.6        | < 7          | < 7.0        | < 0.58       | < 0.58       | < 6.4        |
| Naphthalene                | 10         | 100         | < 4.4        | < 1.2        | < 1.2        | < 22.6       | < 11.3       | < 0.34       | < 9.9        | < 0.16       | < 0.16       | < 0.16       | < 0.32       | < 0.32       | < 0.32       | < 0.32       | < 0.67       | < 3.5        | < 4.4        | < 4.4        | < 1.2        | < 1.2        | < 22.6       |
| n-Butylbenzene             | NE         | NE          | < 7.0        | < 0.71       | < 0.71       | < 17.1       | < 8.6        | < 0.39       | < 2.3        | < 0.13       | < 0.13       | < 0.13       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.78       | < 5.6        | < 7          | < 7.0        | < 0.71       | < 0.71       | < 17.1       |
| n-Hexane                   | 120        | 600         | < 11         | < 1.7        | < 1.7        | < 29.2       | < 14.6       | < 0.49 UJ    | < 1.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | 15 J         | < 11         | < 11         | < 1.7        | < 1.7        | < 29.2       |
| n-Propylbenzene            | NE         | NE          | < 5.0        | < 0.81       | < 0.81       | < 6.9        | < 3.5        | < 0.41       | < 1.8        | < 0.13       | < 0.13       | < 0.13       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.83       | < 4.0        | < 5          | < 5.0        | < 0.81       | < 0.81       | < 6.9        |
| o-Xylene                   | 400        | 2000        | < 2.9        | < 0.26       | < 0.26       | < 7.0        | < 3.5        | < 0.22       | < 1.1        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 2.3        | < 2.9        | < 2.9        | < 0.26       | < 0.26       | < 7.0        |
| p-Isopropyltoluene         | NE         | NE          | < 4.3        | < 0.80       | < 0.80       | < 20.9       | < 10.4       | < 0.36       | < 1.9        | < 0.17       | < 0.17       | < 0.17       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.72       | < 3.4        | < 4.3        | < 4.3        | < 0.80       | < 0.80       | < 20.9       |
| sec-Butylbenzene           | NE         | NE          | < 6.5        | < 0.85       | < 0.85       | < 8.5        | < 4.2        | < 0.40       | < 2.0        | < 0.15       | < 0.15       | < 0.15       | < 0.3        | < 0.30       | < 0.30       | < 0.30       | < 0.80       | < 5.2        | < 6.5        | < 6.5        | < 0.85       | < 0.85       | < 8.5        |
| Styrene                    | 10         | 100         | < 3.3        | < 0.47       | < 3.0        | < 7.1        | < 3.6        | < 0.39       | < 1.3        | < 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       | < 3.0        | < 7.1        |
| tert-Butylbenzene          | NE         | NE          | < 6.0        | < 0.30       | < 0.30       | < 11.7       | < 5.9        | < 0.40       | < 1.8        | < 0.14       | < 0.14       | < 0.14       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.80       | < 4.8        | < 6          | < 6.0        | < 0.30       | < 0.30       | < 11.7       |
| Tetrachloroethene          | 0.5        | 5           | 1700         | 1160         | 943          | 1050 J+      | 1000         | 810          | 820          | 170          | 580          | 640          | 840          | 970          | 1000         | 970          | 1100         | 1300         | 1800         | 1900         | 2170         | 1620         | 1320 J+      |
| Toluene                    | 160        | 800         | < 2.7        | < 0.17       | < 0.27       |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | 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) | ACTION     | STANDARD    | 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 | 177 - 187 ft | 177 - 187 ft | 177 - 187 ft | 177 - 187 ft | 177 - 187 ft | 177 - 187 ft |
| SAMPLE DATE                | LIMIT      |             | 10/18/2022   | 10/10/2023   | 10/22/2024   | 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   | 10/13/2020   | 10/12/2021   | 10/18/2022   | 10/10/2023   | 10/22/2024   |
| VOCs                       |            |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 7.1        | < 0.92       | < 3.9        | < 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       | < 0.36       | < 0.36       | < 0.46       | < 0.16       |
| 1,1,1-Trichloroethane      | 40         | 200         | < 6.1        | < 0.76       | < 9.8        | < 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       | < 0.30       | < 0.30       | < 0.38       | < 0.39       |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 6.9        | < 0.70       | < 6.8        | < 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       | < 0.34       | < 0.34       | < 0.35       | < 0.27       |
| 1,1-Dichloroethene         | 0.7        | 7           | < 11.6       | < 0.78       | < 5.8        | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.39       | < 0.14       | < 0.14       | < 0.14       | < 0.24       | < 0.24       | < 0.58       | < 0.58       | < 0.39       | < 0.23       |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 9.0        | < 0.72       | < 3.8        | < 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       | < 0.45       | < 0.45       | < 0.36       | < 0.15       |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 6.2        | < 0.77       | < 4.6        | < 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       | < 0.31       | < 0.31       | < 0.39       | < 0.18       |
| 1,2-Dichlorobenzene        | 60         | 600         | < 6.5        | < 0.67       | < 3.6        | < 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       | < 0.33       | < 0.33       | < 0.33       | < 0.14       |
| 1,2-Dichloroethane         | 0.5        | 5           | < 5.8        | < 0.78       | < 7.1        | < 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       | < 0.29       | < 0.29       | < 0.39       | < 0.28       |
| 1,2-Dichloropropane        | 0.5        | 5           | < 9.0        | < 0.86       | < 6.1        | < 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       | < 0.45       | < 0.45       | < 0.43       | < 0.24       |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 20.4       | < 0.92       | < 30         | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.46       | < 0.045      | < 0.045      | < 0.045      | < 0.63       | < 2.2        | < 1.0        | < 1.0        | < 0.46       | < 1.2        |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 19.0       | < 0.68       | < 15         | < 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       | < 0.95       | < 0.95       | < 0.34       | < 0.58       |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 7.1        | < 0.51       | < 3.0        | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.25       | < 0.075      | < 0.075      | < 0.075      | < 0.87       | < 0.87       | < 0.36       | < 0.36       | < 0.25       | < 0.12       |
| 2-Butanone                 | 800        | 4000        | < 130        | < 4.2        | < 120        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 3.0        | < 3          | < 3.0        | < 2.9        | < 2.9        | < 6.5        | < 6.5        | < 2.1        | < 4.6        |
| 2-Hexanone                 | NE         | NE          | < 126        | < 3.1        | < 20         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.95       | < 0.95       | < 0.95       | < 2.5        | < 5.2        | < 6.3        | < 6.3        | < 1.6        | < 0.81       |
| 4-Methyl-2-pentanone       | 50         | 500         | < 119        | < 4.3        | < 25         | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.77       | < 0.77       | < 0.77       | < 1.5        | < 4.6        | < 6.0        | < 6.0        | < 2.2        | < 0.98       |
| Acetone                    | 1800       | 9000        | < 173        | < 3.5        | < 170        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 3.4        | < 3.4        | < 5.4 U      | < 2.7        | < 2.7        | < 8.6        | < 8.6        | < 1.7        | < 6.6        |
| Benzene                    | 0.5        | 5           | < 5.9        | < 0.29       | < 3.6        | < 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       | < 0.25       | < 0.30       | < 0.30       | < 0.15       | < 0.14       |
| Bromodichloromethane       | 0.06       | 0.6         | < 8.3        | < 0.74       | < 4.7        | < 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       | < 0.42       | < 0.42       | < 0.37       | < 0.19       |
| Bromoform                  | 0.44       | 4.4         | < 76.0       | < 0.97       | < 6.1        | < 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        | < 3.8        | < 3.8        | < 0.48       | < 0.25       |
| Bromomethane               | 1          | 10          | < 23.8       | < 1.6        | < 59         | < 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       | < 1.2        | < 1.2        | < 0.80       | < 2.4        |
| Carbon disulfide           | 200        | 1000        | < 22.0       | < 0.90       | < 6.4        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.053      | < 0.053      | 0.080 J      | < 0.37       | < 0.45       | < 1.1        | < 1.1        | < 0.45       | < 0.26       |
| Carbon tetrachloride       | 0.5        | 5           | < 7.4        | < 0.77       | < 5.7        | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.38       | < 0.038      | < 0.038      | < 0.038      | < 0.17       | < 1.1        | < 0.37       | < 0.37       | < 0.38       | < 0.23       |
| Chloroethane               | 80         | 400         | < 27.6       | < 1.0        | < 16         | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.25       | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.4        | < 1.4        | < 0.51       | < 0.64       |
| Chloroform                 | 0.6        | 6           | < 23.7       | < 0.74       | < 9.0        | < 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        | < 1.2        | < 1.2        | < 0.37       | < 0.36       |
| Chloromethane              | 3          | 30          | < 32.7       | < 0.64       | < 5.7        | < 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        | < 2.2        | < 1.6        | < 1.6        | < 0.32       | < 0.23       |
| cis-1,2-Dichloroethene     | 7          | 70          | 97           | 89           | 47           | 9.5          | 6.7          | 6.0          | 16           | 17           | 31           | 33           | 5.2          | 0.60         | 0.48 J       | 0.50         | < 0.27       | < 0.27       | < 0.47       | < 0.47       | < 0.41       | < 0.32       |
| Di-isopropyl ether         | NE         | NE          | < 22.0       | < 0.55       | < 27         | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 0.15       | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.1        | < 1.1        | < 0.28       | < 1.1        |
| Dichlorodifluoromethane    | 200        | 1000        | < 9.1        | < 1.3        | < 7.5        | < 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       | < 0.46       | < 0.46       | < 0.67       | < 0.30       |
| Ethylbenzene               | 140        | 700         | < 6.5        | < 0.37       | < 3.6        | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.18       | < 0.054      | < 0.054      | < 0.054      | < 0.22       | < 0.32       | < 0.33       | < 0.33       | < 0.18       | < 0.14       |
| Isopropylbenzene           | NE         | NE          | < 20.0       | < 0.77 J-    | < 3.9        | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.39       | < 0.081      | < 0.081      | < 0.081      | < 0.39       | < 1.7        | < 1.0        | < 1.0        | < 0.39 J-    | < 0.16       |
| m,p-Xylene                 | 400        | 2000        | < 14.0       | < 0.36       | < 8.9        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.057      | < 0.057      | < 0.057      | < 0.47       | < 0.47       | < 0.70       | < 0.70       | < 0.18       | < 0.36       |
| Methyl tert-butyl ether    | 12         | 60          | < 22.6       | < 0.79       | < 6.3        | 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        | < 1.2        | < 1.1        | < 1.1        | < 0.39       | < 0.25       |
| Methylene chloride         | 0.5        | 5           | < 6.4        | < 3.3        | < 23         | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 1.6        | < 0.14       | < 0.14       | < 0.29 U     | < 0.58       | < 0.58       | < 0.32       | < 0.32       | < 1.6        | < 0.94       |
| Naphthalene                | 10         | 100         | < 22.6       | < 0.67       | < 25         | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.34       | < 0.088      | < 0.088      | < 0.15 U     | < 1.2        | < 1.2        | < 1.1        | < 1.1        | < 0.34       | < 0.99       |
| n-Butylbenzene             | NE         | NE          | < 17.1       | < 0.78       | < 5.8        | < 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       | < 0.86       | < 0.86       | < 0.39       | < 0.23       |
| n-Hexane                   | 120        | 600         | < 29.2       | < 0.98 UJ    | < 4.1        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.21       | < 0.21       | < 0.21       | < 1.7        | < 1.7        | < 1.5        | < 1.5        | < 0.49 UJ    | < 0.16       |
| n-Propylbenzene            | NE         | NE          | < 6.9        | < 0.83       | < 4.6        | < 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       | < 0.35       | < 0.35       | < 0.41       | < 0.18       |
| o-Xylene                   | 400        | 2000        | < 7.0        | < 0.44       | < 2.9        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.058      | < 0.058      | < 0.058      | < 0.26       | < 0.26       | < 0.35       | < 0.35       | < 0.22       | < 0.11       |
| p-Isopropyltoluene         | NE         | NE          | < 20.9       | < 0.72       | < 4.6        | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.36       | < 0.085      | < 0.085      | < 0.085      | < 0.80       | < 0.80       | < 1.0        | < 1.0        | < 0.36       | < 0.19       |
| sec-Butylbenzene           | NE         | NE          | < 8.5        | < 0.80       | < 5.1        | < 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       | < 0.42       | < 0.42       | < 0.40       | < 0.20       |
| Styrene                    | 10         | 100         | < 7.1        | < 0.77       | < 3.2        | < 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       | < 3.0        | < 0.36       | < 0.36       | < 0.39       | < 0.13       |
| tert-Butylbenzene          | NE         | NE          | < 11.7       | < 0.80       | < 4.4        | < 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       | < 0.59       | < 0.59       | < 0.40       | < 0.18       |
| Tetrachloroethene          | 0.5        | 5           | 1480         | 1700         | 1000         | 240          | 140          | 110          | 100          | 73           | 86           | 130          | 38           | 10           | 8.9          | 8.5          | 4.2          | 4            | 2.7 J+       | 4.4          | 4            | 2.6          |
| Toluene                    | 160        | 800         | < 5.8        | < 0.30       | < 8.1        | < 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       | < 0.27       | < 0.29       | < 0.29       | < 0.15       | < 0.32       |
| trans-1,2-Dichloroethene   | 20         | 100         | < 10.6       | < 0.70       |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |

Appendix E: Historical 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        | 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 | 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 | 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   | 10/13/2020   | 10/12/2021   | 10/18/2022 |
| 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       | < 0.27       | < 0.36       | < 0.36     |
| 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       | < 0.24       | < 0.30       | < 0.30     |
| 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       | < 0.55       | < 0.34       | < 0.34     |
| 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       | < 0.24       | < 0.58       | < 0.58     |
| 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       | < 0.84       | < 0.45       | < 0.45     |
| 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       | < 0.83       | < 0.31       | < 0.31     |
| 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       | < 0.71       | < 0.33       | < 0.33     |
| 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       | < 0.28       | < 0.29       | < 0.29     |
| 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       | < 0.28       | < 0.45       | < 0.45     |
| 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       | < 2.2        | < 1.0        | < 1.0      |
| 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       | < 0.95       | < 0.95       | < 0.95     |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.18        | < 0.18     | < 0.18     | < 0.18        | < 0.18        | < 0.18     |            | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.25       | < 0.15       | < 0.075      | < 0.075      | < 0.87       | < 0.87       | < 0.36       | < 0.36     |
| 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        | < 2.9        | < 6.5        | < 6.5      |
| 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        | < 5.2        | < 6.3        | < 6.3      |
| 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        | < 4.6        | < 6.0        | < 6.0      |
| 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        | < 2.7        | < 8.6        | < 8.6      |
| 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       | < 0.25       | < 0.30       | < 0.30     |
| 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       | < 0.36       | < 0.42       | < 0.42     |
| 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        | < 4.0        | < 3.8        | < 3.8      |
| 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       | < 0.97       | < 1.2        | < 1.2      |
| 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       | < 0.45       | < 1.1        | < 1.1      |
| 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       | < 1.1        | < 0.37       | < 0.37     |
| Chloroethane               | 80           | 400         | < 0.34        | < 0.34     | < 0.34     | < 0.34        | < 0.34        | < 0.34     |            | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.50       | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.4        | < 1.4      |
| 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        | < 1.3        | < 1.2        | < 1.2      |
| 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        | < 2.2        | < 1.6        | < 1.6      |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.12        | < 0.12     | < 0.12     | < 0.12        | < 0.12        | < 0.12     |            | 2.6          | 5.8          | <b>9.5</b>   | <b>10</b>    | 5.4          | <b>10</b>    | 6.4          | <b>7</b>     | 6.4          | 4.5          | 5.1          | 6.8          | 5.5          | 4.7          | 4.6        |
| Di-isopropyl ether         | 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       | < 0.28       | < 0.30       | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.1        | < 1.1      |
| 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       | < 0.50       | < 0.46       | < 0.46     |
| 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       | < 0.32       | < 0.33       | < 0.33     |
| 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       | < 1.7        | < 1.0        | < 1.0      |
| 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       | < 0.47       | < 0.70       | < 0.70     |
| 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        | < 1.2        | < 1.1        | < 1.1      |
| 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       | < 0.58       | < 0.32       | < 0.32     |
| 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        | < 1.2        | < 1.1        | < 1.1      |
| 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       | < 0.71       | < 0.86       | < 0.86     |
| 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        | < 1.7        | < 1.5        | < 1.5      |
| 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       | < 0.81       | < 0.35       | < 0.35     |
| 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       | < 0.26       | < 0.35       | < 0.35     |
| 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       | < 0.80       | < 1.0        | < 1.0      |
| 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       | < 0.85       | < 0.42       | < 0.42     |
| 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       | < 3.0        | < 0.36       | < 0.36     |
| 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       | < 0.30       | < 0.59       | < 0.59     |
| Tetrachloroethene          | 0.5          | 5           | <b>0.76 J</b> | < 0.17     | < 0.17     | <b>0.76 J</b> | <b>0.56 J</b> | <          |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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        | MP-16        | MP-16        | MP-16        |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 106 - 116 ft | 106 - 116 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 | 140 - 144 ft | 140 - 144 ft |
| SAMPLE DATE                |              |             | 10/10/2023   | 10/22/2024   | 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   | 10/13/2020   |
| VOCs                       |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.46       | < 0.16       | < 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       | < 0.27       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38       | < 0.39       | < 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       | < 0.10       | < 0.1        | < 0.10       | < 0.10       | < 0.24       | < 0.24       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.35       | < 0.27       | < 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       | < 0.10       | < 0.1        | < 0.10       | < 0.10       | < 0.55       | < 0.55       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39       | < 0.23       | < 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       | < 0.24       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.15       | < 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      | < 0.060      | < 0.06       | < 0.060      | < 0.84       | < 0.84       | < 0.84       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.39       | < 0.18       | < 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       | < 0.83       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33       | < 0.14       | < 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       | < 0.71       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39       | < 0.28       | < 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       | < 0.28       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.43       | < 0.24       | < 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       | < 0.28       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.46       | < 1.2        | < 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       | < 2.2        |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.34       | < 0.58       | < 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       | < 0.95       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.25       | < 0.12       | < 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       | < 0.87       |
| 2-Butanone                 | 800          | 4000        | < 2.1        | < 4.6        | 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        | < 2.9        |
| 2-Hexanone                 | NE           | NE          | < 1.6        | < 0.81       | 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        | < 5.2        |
| 4-Methyl-2-pentanone       | 50           | 500         | < 2.2        | < 0.98       | 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        | < 4.6        |
| Acetone                    | 1800         | 9000        | < 1.7        | < 6.6        | 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        | < 2.7        |
| Benzene                    | 0.5          | 5           | < 0.15       | < 0.14       | < 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       | < 0.25       |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.37       | < 0.19       | < 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       | < 0.36       |
| Bromoform                  | 0.44         | 4.4         | < 0.48       | < 0.25       | < 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        | < 4.0        |
| Bromomethane               | 1            | 10          | < 0.80       | < 2.4        | < 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       | < 0.97       |
| Carbon disulfide           | 200          | 1000        | < 0.45       | < 0.26       | 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       | < 0.45       |
| Carbon tetrachloride       | 0.5          | 5           | < 0.38       | < 0.23       | < 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       | < 1.1        |
| Chloroethane               | 80           | 400         | < 0.51       | < 0.64       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.25       | < 0.50       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.3        |
| Chloroform                 | 0.6          | 6           | < 0.37       | < 0.36       | < 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        | < 1.3        |
| Chloromethane              | 3            | 30          | < 0.32       | < 0.23       | < 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        | < 2.2        |
| cis-1,2-Dichloroethene     | 7            | 70          | 3.6          | 2.7          | 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          | 3.6          |
| Di-isopropyl ether         | NE           | NE          | < 0.28       | < 1.1        | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 0.15       | < 0.30       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.9        |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.67       | < 0.30       | < 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       | < 0.50       |
| Ethylbenzene               | 140          | 700         | < 0.18       | < 0.14       | < 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       | < 0.32       |
| Isopropylbenzene           | NE           | NE          | < 0.39 J-    | < 0.16       | < 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       | < 1.7        |
| m,p-Xylene                 | 400          | 2000        | < 0.18       | < 0.36       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.057      | < 0.11       | < 0.057      | < 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          | < 0.39       | < 0.25       | < 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       | < 0.14       | < 1.2        | < 1.2        | < 1.2        |
| Methylene chloride         | 0.5          | 5           | < 1.6        | < 0.94       | < 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       | < 0.58       |
| Naphthalene                | 10           | 100         | < 0.34       | < 0.99       | < 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        | < 1.2        |
| n-Butylbenzene             | NE           | NE          | < 0.39       | < 0.23       | < 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       | < 0.71       |
| n-Hexane                   | 120          | 600         | < 0.49 UJ    | < 0.16       | 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        | < 1.7        |
| n-Propylbenzene            | NE           | NE          | < 0.41       | < 0.18       | < 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       | < 0.81       |
| o-Xylene                   | 400          | 2000        | < 0.22       | < 0.11       | 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       | < 0.26       |
| p-Isopropyltoluene         | NE           | NE          | < 0.36       | < 0.19       | < 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      | < 0.085      | < 0.80       | < 0.80       | < 0.80       |
| sec-Butylbenzene           | NE           | NE          | < 0.40       | < 0.20       | < 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       |              |              |              |              |              |              |              |

Appendix E: Historical 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        | MP-16        | MP-16        | MP-16        | MP-16        | MP-16        |
|----------------------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | 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 | 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 | 175 - 179 ft | 175 - 179 ft |
| SAMPLE DATE                | 04/12/2021           | 10/12/2021   | 04/20/2022   | 10/18/2022   | 4/10/2023    | 10/10/2023   | 04/22/2024   | 10/22/2024   | 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   | 10/13/2020   | 10/12/2021   |              |              |
| PREVENTIVE ACTION LIMIT    | ENFORCEMENT STANDARD | 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        | MP-16        | MP-16        | MP-16        | MP-16        |
| VOCS                       |                      |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7                    | 70           | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.46       | < 0.46       | < 0.46       | < 0.16       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.46       | < 0.11       | < 0.11       | < 0.11       | < 0.27       | < 0.27       | < 0.36       |              |
| 1,1,1-Trichloroethane      | 40                   | 200          | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.38       | < 0.38       | < 0.38       | < 0.39       | < 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       | < 0.30       |
| 1,1,2-Trichloroethane      | 0.5                  | 5            | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.35       | < 0.35       | < 0.35       | < 0.27       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.35       | < 0.10       | < 0.1        | < 0.10       | < 0.55       | < 0.55       | < 0.34       |              |
| 1,1-Dichloroethene         | 0.7                  | 7            | < 0.58       | < 0.58       | < 0.58       | < 0.58       | < 0.39       | < 0.39       | < 0.39       | < 0.23       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.39       | < 0.14       | < 0.14       | < 0.14       | < 0.24       | < 0.24       | < 0.58       |              |
| 1,2,4-Trimethylbenzene     | 96                   | 480          | < 0.45       | < 0.45       | < 0.45       | < 0.45       | < 0.36       | < 0.36       | < 0.36       | < 0.15       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.36       | < 0.060      | < 0.06       | < 0.060      | < 0.84       | < 0.84       | < 0.45       |              |
| 1,2-Dibromoethane          | 0.005                | 0.05         | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.39       | < 0.39       | < 0.39       | < 0.18       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.39       | < 0.13       | < 0.13       | < 0.13       | < 0.83       | < 0.83       | < 0.31       |              |
| 1,2-Dichlorobenzene        | 60                   | 600          | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.14       | < 0.27       | < 0.27       | < 0.27       | < 0.27       | < 0.27       | < 0.27       | < 0.33       | < 0.076      | < 0.076      | < 0.076      | < 0.71       | < 0.71       | < 0.33       |              |
| 1,2-Dichloroethane         | 0.5                  | 5            | < 0.29       | < 0.29       | < 0.29       | < 0.29       | < 0.39       | < 0.39       | < 0.39       | < 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       | < 0.29       |              |
| 1,2-Dichloropropane        | 0.5                  | 5            | < 0.45       | < 0.45       | < 0.45       | < 0.45       | < 0.43       | < 0.43       | < 0.43       | < 0.24       | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       | < 0.43       | < 0.10       | < 0.1        | < 0.10       | < 0.28       | < 0.28       | < 0.45       |              |
| 1,2,3-Trichlorobenzene     | NE                   | NE           | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.46 UJ    | < 0.46       | < 0.46       | < 1.2        | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.46       | < 0.045      | < 0.045      | < 0.045      | < 0.63       | < 2.2        | < 1.0        |              |
| 1,2,4-Trichlorobenzene     | 14                   | 70           | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.34 UJ    | < 0.34       | < 0.34       | < 0.58       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.34       | < 0.077      | < 0.077      | < 0.077      | < 0.95       | < 0.95       | < 0.95       |              |
| 1,3,5-Trimethylbenzene     | 96                   | 480          | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.25       | < 0.25       | < 0.25       | < 0.12       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.25       | < 0.075      | < 0.075      | < 0.075      | < 0.87       | < 0.87       | < 0.36       |              |
| 2-Butanone                 | 800                  | 4000         | < 6.5        | < 6.5        | < 6.5        | < 6.5        | < 2.1        | < 2.1        | < 2.1        | < 4.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 3.0        | < 3          | < 3.0        | < 2.9        | < 2.9        | < 6.5        |              |
| 2-Hexanone                 | NE                   | NE           | < 6.3        | < 6.3        | < 6.3        | < 6.3        | < 1.6        | < 1.6        | < 1.6        | < 0.81       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.95       | < 0.95       | < 0.95       | < 2.5        | < 5.2        | < 6.3        |              |
| 4-Methyl-2-pentanone       | 50                   | 500          | < 6.0        | < 6.0        | < 6.0        | < 6.0        | < 2.2        | < 2.2        | < 2.2        | < 0.98       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.77       | < 0.77       | < 0.77       | < 1.5        | < 4.6        | < 6.0        |              |
| Acetone                    | 1800                 | 9000         | < 8.6        | < 8.6        | < 8.6        | < 8.6        | < 4.4 U      | < 1.7        | 1.9 J        | < 6.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 3.4        | < 3.4        | < 3.8 U      | < 2.7        | < 2.7        | < 8.6        |              |
| Benzene                    | 0.5                  | 5            | < 0.30       | < 0.30       | < 0.30       | < 0.30       | 0.19 J       | < 0.15       | < 0.15       | < 0.14       | < 0.074      | < 0.074      | < 0.074      | < 0.074      | < 0.074      | < 0.074      | < 0.15       | < 0.089      | < 0.089      | < 0.089      | < 0.25       | < 0.25       | < 0.30       |              |
| Bromodichloromethane       | 0.06                 | 0.6          | < 0.42       | < 0.42       | < 0.42       | < 0.42       | < 0.37       | < 0.37       | < 0.37       | < 0.19       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.37       | < 0.077      | < 0.077      | < 0.077      | < 0.36       | < 0.36       | < 0.42       |              |
| Bromoform                  | 0.44                 | 4.4          | < 3.8        | < 3.8        | < 3.8        | < 3.8        | < 0.48       | < 0.48       | < 0.48       | < 0.25       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.48       | < 0.088      | < 0.088      | < 0.088      | < 4.0        | < 4.0        | < 3.8        |              |
| Bromomethane               | 1                    | 10           | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.80 UJ    | < 0.80       | < 0.80       | < 2.4        | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.80       | < 0.59       | < 0.59       | < 0.59       | < 0.97       | < 0.97       | < 1.2        |              |
| Carbon disulfide           | 200                  | 1000         | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.45       | < 0.45       | < 0.45       | < 0.26       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.053      | < 0.053      | 0.11 J       | < 0.37       | < 0.45       | < 1.1        |              |
| Carbon tetrachloride       | 0.5                  | 5            | < 0.37       | < 0.37       | < 0.37       | < 0.37       | < 0.38       | < 0.38       | < 0.38       | < 0.23       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.38       | < 0.038      | < 0.038      | < 0.038      | < 0.17       | < 1.1        | < 0.37       |              |
| Chloroethane               | 80                   | 400          | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.51 UJ    | < 0.51       | < 0.51       | < 0.64       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.25       | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.4        |              |
| Chloroform                 | 0.6                  | 6            | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.37       | < 0.37       | < 0.37       | < 0.36       | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       | < 0.37       | < 0.062      | < 0.062      | < 0.062      | < 1.3        | < 1.3        | < 1.2        |              |
| Chloromethane              | 3                    | 30           | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 0.32       | < 0.32       | < 0.32       | < 0.23       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.32       | < 0.16       | 0.81 J       | < 0.61 U     | < 2.2        | < 2.2        | < 1.6        |              |
| cis-1,2-Dichloroethene     | 7                    | 70           | 3.4          | 3.0          | 2.2          | 2.5          | 2.0          | 1.7          | 0.95 J       | 1.5          | 1.9          | 0.99 J       | < 0.12       | < 0.12       | < 0.12       | < 0.12       | < 0.41       | < 0.11       | < 0.11       | < 0.11       | 0.29 J       | 0.30 J       | < 0.47       |              |
| Di-isopropyl ether         | NE                   | NE           | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.28       | < 0.28       | < 0.28       | < 1.1        | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 0.15       | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.1        |              |
| Dichlorodifluoromethane    | 200                  | 1000         | < 0.46       | < 0.46       | < 0.46       | < 0.46       | < 0.67       | < 0.67       | < 0.67       | < 0.30       | < 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       | < 0.46       |
| Ethylbenzene               | 140                  | 700          | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.18       | < 0.18       | < 0.18       | < 0.14       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.18       | < 0.054      | < 0.054      | < 0.054      | < 0.22       | < 0.32       | < 0.33       |              |
| Isopropylbenzene           | NE                   | NE           | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.39       | < 0.39       | < 0.39       | < 0.16       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.39       | < 0.081      | < 0.081      | < 0.081      | < 0.39       | < 1.7        | < 1.0        |              |
| m,p-Xylene                 | 400                  | 2000         | < 0.70       | < 0.70       | < 0.70       | < 0.70       | < 0.18       | < 0.18       | < 0.18       | < 0.36       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.057      | < 0.057      | < 0.057      | < 0.47       | < 0.47       | < 0.70       |              |
| Methyl tert-butyl ether    | 12                   | 60           | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.39       | < 0.39       | < 0.39       | < 0.25       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.39       | < 0.14       | < 0.14       | < 0.14       | < 1.2        | < 1.2        | < 1.1        |              |
| Methylene chloride         | 0.5                  | 5            | < 0.32       | < 0.32       | < 0.32       | < 0.32       | < 1.6        | < 1.6        | < 1.6        | < 0.94       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 1.6        | < 0.14       | 0.16 J       | < 0.15 U     | < 0.58       | < 0.58       | < 0.32       |              |
| Naphthalene                | 10                   | 100          | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.34 UJ    | < 0.34       | < 0.34       | < 0.99       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.34       | < 0.088      | < 0.088      | < 0.088      | < 1.2        | < 1.2        | < 1.1        |              |
| n-Butylbenzene             | NE                   | NE           | < 0.86       | < 0.86       | < 0.86       | < 0.86       | < 0.39       | < 0.39       | < 0.39       | < 0.23       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.39       | < 0.14       | < 0.14       | < 0.14       | < 0.71       | < 0.71       | < 0.86       |              |
| n-Hexane                   | 120                  | 600          | < 1.5        | < 1.5        | < 1.5        | < 1.5        | < 0.49       | < 0.49 UJ    | < 0.49       | < 0.16       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.21       | < 0.21       | < 0.21       | < 1.7        | < 1.7        | < 1.5        |              |
| n-Propylbenzene            | NE                   | NE           | < 0.35       | < 0.35       | < 0.35       | < 0.35       | < 0.41       | < 0.41       | < 0.41       | < 0.18       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.41       | < 0.10       | < 0.1        | < 0.10       | < 0.81       | < 0.81       | < 0.35       |              |
| o-Xylene                   | 400                  | 2000         | < 0.35       | < 0.35       | < 0.35       | < 0.35       | < 0.22       | < 0.22       | < 0.22       | < 0.11       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.058      | < 0.058      | < 0.058      | < 0.26       | < 0.26       | < 0.35       |              |
| p-Isopropyltoluene         | NE                   | NE           | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.36       | < 0.36       | < 0.36       | < 0.19       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.36       | < 0.085      | < 0.085      | < 0.085      | < 0.80       | < 0.80       | < 1.0        |              |
| sec-Butylbenzene           | NE                   | NE           | < 0.42       | < 0.42       | < 0.42       | < 0.42       | < 0.40       | < 0.40       | < 0.40       | < 0.20       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.40       | < 0.13       | < 0.13       | < 0.13       | < 0.85       | < 0.85       | < 0.42       |              |
| Styrene                    | 10                   | 100          | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.39       | < 0.39       | < 0.39       | < 0.13       | < 0.1        | < 0.1        | < 0.1        | < 0.10       | < 0.10       | < 0.10       | < 0.39       | < 0          |              |              |              |              |              |              |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MP-16        | MP-16        | MP-16        | 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) | ACTION LIMIT | STANDARD    | 175 - 179 ft | 175 - 179 ft | 175 - 179 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                |              |             | 10/18/2022   | 10/10/2023   | 10/22/2024   | 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 |
| <b>VOCs</b>                |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.36       | < 0.46       | < 0.16       | < 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         | < 0.30       | < 0.38       | < 0.39       | < 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           | < 0.34       | < 0.35       | < 0.27       | < 0.56       | < 0.56       | < 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           | < 0.58       | < 0.39       | < 0.23       | < 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         | < 0.45       | < 0.36       | < 0.15       | < 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        | < 0.31       | < 0.39       | < 0.18       | < 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         | < 0.33       | < 0.33       | < 0.14       | < 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           | < 0.29       | < 0.39       | < 0.28       | < 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           | < 0.45       | < 0.43       | < 0.24       | < 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          | < 1.0        | < 0.46       | < 1.2        | < 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          | < 0.95       | < 0.34       | < 0.58       | < 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       | < 0.25       | < 0.12       | < 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        | < 6.5        | < 2.1        | < 4.6        | 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          | < 6.3        | < 1.6        | < 0.81       | 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         | < 6.0        | < 2.2        | < 0.98       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 39         | < 77         | < 19         | < 15         | < 39         | < 39         | < 19         | < 19         | < 39         | < 15.3       | < 15.3     |
| Acetone                    | 1800         | 9000        | < 8.6        | < 1.7        | < 6.6        | 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           | < 0.30       | < 0.15       | < 0.14       | < 0.34       | < 0.34       | < 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         | < 0.42       | < 0.37       | < 0.19       | < 0.56       | < 0.56       | < 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         | < 3.8        | < 0.48       | < 0.25       | < 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          | < 1.2        | < 0.80       | < 2.4        | < 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        | < 1.1        | < 0.45       | < 0.26       | 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           | < 0.37       | < 0.38       | < 0.23       | < 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      |
| Chloroethane               | 80           | 400         | < 1.4        | < 0.51       | < 0.64       | < 0.68       | < 0.68       | < 0.34       | < 0.68       | < 0.68       | < 0.68       | < 1.7        | < 0.94       | < 13         | < 25         | < 6.3        | < 5.0        | < 13         | < 13         | < 6.3        | < 6.3        | < 13         | < 13.4       | < 13.4     |
| Chloroform                 | 0.6          | 6           | < 1.2        | < 0.37       | < 0.36       | < 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          | < 1.6        | < 0.32       | < 0.23       | < 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          | < 0.47       | < 0.41       | < 0.32       | 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      |
| Di-isopropyl ether         | NE           | NE          | < 1.1        | < 0.28       | < 1.1        | < 0.3        | NE           | < 0.15       | < 0.3        | < 0.30       | < 0.30       | < 0.75       | < 0.55       | < 7.5        | < 15         | < 3.8        | < 3.0        | < 7.5        | < 3.8        | < 7.5        | < 3.8        | < 7.5        | < 18.9       | < 18.9     |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.46       | < 0.67       | < 0.30       | < 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         | < 0.33       | < 0.18       | < 0.14       | < 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          | < 1.0        | < 0.39 J-    | < 0.16       | < 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        | < 0.70       | < 0.18       | < 0.36       | 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          | < 1.1        | < 0.39       | < 0.25       | < 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           | < 0.32       | < 1.6        | < 0.94       | < 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         | < 1.1        | < 0.34       | < 0.99       | < 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          | < 0.86       | < 0.39       | < 0.23       | < 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         | < 1.5        | < 0.49 UJ    | < 0.16       | 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          | < 0.35       | < 0.41       | < 0.18       | < 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        | < 0.35       | < 0.22       | < 0.11       | 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          | < 1.0        | < 0.36       | < 0.19       | < 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          | < 0.42       | < 0.40       | < 0.20       | < 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         | < 0.36       | < 0.39       | < 0.13       | < 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          | < 0.59       | < 0.40       | < 0.18       | < 0.28       | < 0.28       | < 0.14       | < 0.28       | < 0.28       | < 0.28       |              |              |              |              |              |              |              |              |              |              |              |              |            |



**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WELL ID                    |              |             | MW-17        | MW-17        | MW-17 <sup>(3)</sup> | MW-17        | MW-17        | MW-17        | MW-17 <sup>3</sup> | MW-17        | MW-17        | MW-17        | MW-18S     | MW-18S     | MW-18S     | MW-18S     | MW-18S     | MW-18S     | MW-18S     | MW-18S     | MW-18S     |
|----------------------------|--------------|-------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 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 | 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    | 10/15/2020   | 04/15/2021   | 04/15/2021           | 10/14/2021   | 04/25/2022   | 10/21/2022   | 04/13/2023         | 10/12/2023   | 04/24/2024   | 10/23/2024   | 11/28/2012 | 12/18/2012 | 12/19/2012 | 04/24/2012 | 01/03/2013 | 01/15/2013 | 01/15/2013 | 01/12/2013 | 02/12/2013 |
| VOCS                       |              |             |              |              |                      |              |              |              |                    |              |              |              |            |            |            |            |            |            |            |            |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.27       | < 3.6        | < 3.6                | < 3.6        | < 3.6        | < 3.6        | < 1.8              | < 0.46       | < 0.46       | < 0.46       | < 1.6      | < 1.3      | NA         | NA         | NA         | NA         | < 0.25     | NA         | < 0.5      |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.24       | < 3.0        | < 3.0                | < 3.0        | < 3.0        | < 3.0        | < 1.5              | < 0.38       | < 0.38       | < 0.38       | < 3.9      | < 1        | NA         | NA         | NA         | NA         | < 0.2      | NA         | < 0.4      |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.55       | < 3.4        | < 3.4                | < 3.4        | < 3.4        | < 3.4        | < 1.7              | < 0.35       | < 0.35       | < 0.35       | < 2.7      | < 1.4      | NA         | NA         | NA         | NA         | < 0.28     | NA         | < 0.56     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.24       | < 5.8        | < 5.8                | < 5.8        | < 5.8        | < 5.8        | < 2.9              | < 0.39       | 0.54 J       | < 0.39       | < 2.3      | < 1.6      | NA         | NA         | NA         | NA         | < 0.31     | NA         | < 0.62     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.84       | < 4.5        | < 4.5                | < 4.5        | < 4.5        | < 4.5        | < 2.2              | < 0.73 U     | < 0.36       | < 0.36       | < 1.5      | < 0.7      | NA         | NA         | NA         | NA         | < 0.14     | NA         | < 0.28     |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.83       | < 3.1        | < 3.1                | < 3.1        | < 3.1        | < 3.1        | < 1.5              | < 0.39       | < 0.39       | < 0.39       | < 1.8      | < 1.8      | NA         | NA         | NA         | NA         | < 0.36     | NA         | < 0.72     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.71       | < 3.3        | < 3.3                | < 3.3        | < 3.3        | < 3.3        | < 1.6              | < 0.33       | < 0.33       | < 0.33       | < 1.4      | < 1.4      | NA         | NA         | NA         | NA         | < 0.27     | NA         | < 0.54     |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.28       | < 2.9        | < 2.9                | < 2.9        | < 2.9        | < 2.9        | < 1.5              | < 0.39       | < 0.39       | < 0.39       | < 2.8      | < 1.4      | NA         | NA         | NA         | NA         | < 0.28     | NA         | < 0.56     |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.28       | < 4.5        | < 4.5                | < 4.5        | < 4.5        | < 4.5        | < 2.2              | < 0.43       | < 0.43       | < 0.43       | < 2.4      | < 1        | NA         | NA         | NA         | NA         | < 0.2      | NA         | < 0.4      |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 2.2        | < 10.2       | < 10.2               | < 10.2       | < 10.2       | < 10.2       | < 5.1              | < 0.46       | < 0.46       | < 0.46       | < 12       | < 1.2      | NA         | NA         | NA         | NA         | < 0.24     | NA         | < 0.48     |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.95       | < 9.5        | < 9.5                | < 9.5        | < 9.5        | < 9.5        | < 4.8              | < 0.34       | < 0.34       | < 0.34       | < 5.8      | < 1.6      | NA         | NA         | NA         | NA         | < 0.31     | NA         | < 0.62     |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.87       | < 3.6        | < 3.6                | < 3.6        | < 3.6        | < 3.6        | < 1.8              | < 0.25       | < 0.25       | < 0.25       | < 1.2      | < 0.9      | NA         | NA         | NA         | NA         | < 0.18     | NA         | < 0.36     |
| 2-Butanone                 | 800          | 4000        | < 2.9        | < 65.2       | < 65.2               | < 65.2       | < 65.2       | < 65.2       | < 32.6             | < 2.1 UJ     | < 2.1        | < 2.1        | < 46       | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 2-Hexanone                 | NE           | NE          | < 5.2        | < 62.8       | < 62.8               | < 62.8       | < 62.8       | < 62.8       | < 31.4             | < 1.6 UJ     | < 1.6        | < 1.6        | < 8.1      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 4-Methyl-2-pentanone       | 50           | 500         | < 4.6        | < 59.5       | < 59.5               | < 59.5       | < 59.5       | < 59.5       | < 29.8             | < 2.2 UJ     | < 2.2        | < 2.2        | < 9.8      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Acetone                    | 1800         | 9000        | < 2.7        | < 86.4       | < 86.4               | < 86.4       | < 86.4       | < 86.4       | < 43.2             | 1.9 J        | < 1.7        | < 1.7        | < 66       | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Benzene                    | 0.5          | 5           | < 0.25       | < 3.0        | < 3.0                | < 3.0        | < 3.0        | < 3.0        | < 1.5              | < 0.15       | < 0.15       | < 0.15       | < 1.4      | 3.2        | NA         | NA         | NA         | NA         | 0.46 J     | NA         | 1.4        |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.36       | < 4.2        | < 4.2                | < 4.2        | < 4.2        | < 4.2        | < 2.1              | < 0.37       | < 0.37       | < 0.37       | < 1.9      | < 0.85     | NA         | NA         | NA         | NA         | < 0.17     | NA         | < 0.34     |
| Bromoform                  | 0.44         | 4.4         | < 4.0        | < 38.0       | < 38.0               | < 38.0       | < 38.0       | < 38.0       | < 19.0             | < 0.48       | < 0.48       | < 0.48       | < 2.5      | < 1.4      | NA         | NA         | NA         | NA         | < 0.28     | NA         | < 0.56     |
| Bromomethane               | 1            | 10          | < 0.97       | < 11.9       | < 11.9               | < 11.9       | < 11.9       | < 11.9       | < 6.0              | < 0.80 UJ    | < 0.80       | < 0.80       | < 24       | < 1.6      | NA         | NA         | NA         | NA         | < 0.31     | NA         | < 0.62     |
| Carbon disulfide           | 200          | 1000        | < 0.45       | < 11.0       | < 11.0               | < 11.0       | < 11.0       | < 11.0       | < 5.5              | < 0.45       | < 0.45       | < 0.45       | < 2.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Carbon tetrachloride       | 0.5          | 5           | 1.2 J        | < 3.7        | < 3.7                | < 3.7        | < 3.7        | < 3.7        | < 1.8              | 0.81 J       | 0.53 J       | < 0.38       | < 2.3      | < 1.3      | NA         | NA         | NA         | NA         | < 0.26     | NA         | < 0.52     |
| Chloroethane               | 80           | 400         | < 1.3        | < 13.8       | < 13.8               | < 13.8       | < 13.8       | < 13.8       | < 6.9              | < 0.51       | < 0.51       | < 0.51       | < 6.4      | < 1.7      | NA         | NA         | NA         | NA         | < 0.34     | NA         | < 0.68     |
| Chloroform                 | 0.6          | 6           | 1.7 J        | < 11.8       | < 11.8               | < 11.8       | < 11.8       | < 11.8       | < 5.9              | < 1.0 U      | 0.67 J       | < 0.37       | < 3.6      | 7.2        | NA         | NA         | NA         | NA         | 2.3        | NA         | 4.5        |
| Chloromethane              | 3            | 30          | < 2.2        | < 16.4       | < 16.4               | < 16.4       | < 16.4       | < 16.4       | < 8.2              | < 0.55 U     | < 0.32       | < 0.32       | < 2.6      | < 0.9      | NA         | NA         | NA         | NA         | < 0.18     | NA         | < 0.36     |
| cis-1,2-Dichloroethene     | 7            | 70          | 2.7          | < 4.7        | < 4.7                | 8.5 J        | 6.0 J        | 8.3 J        | 6.9                | 9.8          | 8            | 3.9          | 6.7 J      | 150        | NA         | NA         | NA         | NA         | 40         | NA         | 77         |
| Di-isopropyl ether         | NE           | NE          | < 1.9        | < 11.0       | < 11.0               | < 11.0       | < 11.0       | < 11.0       | < 5.5              | < 0.28       | < 0.28       | < 0.28       | < 11       | < 0.75     | NA         | NA         | NA         | NA         | < 0.15     | NA         | < 0.3      |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.50       | < 4.6        | < 4.6                | < 4.6        | < 4.6        | < 4.6        | < 2.3              | < 0.67       | < 0.67       | < 0.67       | < 3.0      | < 1        | NA         | NA         | NA         | NA         | < 0.2      | NA         | < 0.4      |
| Ethylbenzene               | 140          | 700         | < 0.32       | < 3.3        | < 3.3                | < 3.3        | < 3.3        | < 3.3        | < 1.6              | < 0.18       | < 0.18       | < 0.18       | < 1.4      | < 0.65     | NA         | NA         | NA         | NA         | < 0.13     | NA         | < 0.26     |
| Isopropylbenzene           | NE           | NE          | < 1.7        | < 10.0       | < 10.0               | < 10.0       | < 10.0       | < 10.0       | < 5.0              | < 0.39       | < 0.39 J     | < 0.39       | < 1.6      | < 0.7      | NA         | NA         | NA         | NA         | < 0.14     | NA         | < 0.28     |
| m,p-Xylene                 | 400          | 2000        | < 0.47       | < 7.0        | < 7.0                | < 7.0        | < 7.0        | < 7.0        | < 3.5              | < 0.18       | < 0.18       | < 0.18       | < 3.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Methyl tert-butyl ether    | 12           | 60          | < 1.2        | < 11.3       | < 11.3               | < 11.3       | < 11.3       | < 11.3       | < 5.6              | < 0.39       | < 0.39       | < 0.39       | < 2.5      | < 1.2      | NA         | NA         | NA         | NA         | < 0.24     | NA         | < 0.48     |
| Methylene chloride         | 0.5          | 5           | < 0.58       | < 3.2        | < 3.2                | < 3.2        | < 3.2        | < 3.2        | < 1.6              | < 2.4 U      | < 1.6        | < 1.6        | < 9.4      | < 3.4      | NA         | NA         | NA         | NA         | < 0.68     | NA         | < 1.4      |
| Naphthalene                | 10           | 100         | < 1.2        | < 11.3       | < 11.3               | < 11.3       | < 11.3       | < 11.3       | < 5.6              | < 0.34       | < 0.34       | < 0.34       | < 9.9      | < 0.8      | NA         | NA         | NA         | NA         | < 0.16     | NA         | < 0.32     |
| n-Butylbenzene             | NE           | NE          | < 0.71       | < 8.6        | < 8.6                | < 8.6        | < 8.6        | < 8.6        | < 4.3              | < 0.39       | < 0.39       | < 0.39       | < 2.3      | < 0.65     | NA         | NA         | NA         | NA         | < 0.13     | NA         | < 0.26     |
| n-Hexane                   | 120          | 600         | < 1.7        | < 14.6       | < 14.6               | < 14.6       | < 14.6       | < 14.6       | < 7.3              | < 0.49       | < 0.49 UJ    | < 0.49       | < 1.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| n-Propylbenzene            | NE           | NE          | < 0.81       | < 3.5        | < 3.5                | < 3.5        | < 3.5        | < 3.5        | < 1.7              | < 0.41       | < 0.41       | < 0.41       | < 1.8      | < 0.65     | NA         | NA         | NA         | NA         | < 0.13     | NA         | < 0.26     |
| o-Xylene                   | 400          | 2000        | < 0.26       | < 3.5        | < 3.5                | < 3.5        | < 3.5        | < 3.5        | < 1.7              | < 0.22       | < 0.22       | < 0.22       | < 1.1      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| p-Isopropyltoluene         | NE           | NE          | < 0.80       | < 10.4       | < 10.4               | < 10.4       | < 10.4       | < 10.4       | < 5.2              | < 0.36       | < 0.36       | < 0.36       | < 1.9      | < 0.85     | NA         | NA         | NA         | NA         | < 0.17     | NA         | < 0.34     |
| sec-Butylbenzene           | NE           | NE          | < 0.85       | < 4.2        | < 4.2                | < 4.2        | < 4.2        | < 4.2        | < 2.1              | < 0.40       | < 0.40       | < 0.40       | < 2.0      | < 0.75     | NA         | NA         | NA         | NA         | < 0.15     | NA         | < 0.3      |
| Styrene                    | 10           | 100         | < 3.0        | < 3.6        | < 3.6                | < 3.6        | < 3.6        | < 3.6        | < 1.8              | < 0.39       | < 0.39       | < 0.39       | < 1.3      | < 0.5      | NA         | NA         | NA         | NA         | < 0.1      | NA         | < 0.2      |
| tert-Butylbenzene          | NE           | NE          | < 0.30       | < 5.9        | < 5.9                | < 5.9        | < 5.9        | < 5.9        | < 2.9              | < 0.40       | < 0.40       | < 0.40       | < 1.8      | < 0.7      | NA         | NA         | NA         | NA         | < 0.14     | NA         | < 0.28     |
| Tetrachloroethene          | 0.5          | 5           | 696          | 616          | 645                  | 823          | 452          | 1010         | 766                | 950          | 810          | 310          | 830        | 3300       | NA         | NA         | NA         | NA         | 690        | NA         | 1900       |
| Toluene                    | 160          | 800         | < 0.27       | < 2.9        | < 2.9                | < 2.9        | < 2.9        | < 2.9        | < 1.4              | < 0.15       | < 0.15       | < 0.15       | < 3.2      | 1.1 J      | NA         | NA         | NA         | NA         | < 0.11     | NA         | < 0.22     |
| trans-1,2-Dichloroethene   | 20           | 100         | 0.63 J       | < 5.3        | < 5.3                | < 5.3        | < 5.3        | < 5.3        | < 2.6              | 0.77 J       | 0.51 J       | < 0.35       | < 3.7      | 7.4        | NA         | NA         | NA         | NA         | 2.6        | NA         | 3.8        |
| Trichloroethene            | 0.5          | 5           | 44.9         | 42.7         | 43.9                 | 54.4         | 21.7         | 49.7         | 43.2               | 54           | 35           | 14           | 42         | 230        | NA         | NA         | NA         | NA         | 59         | NA         | 130        |
| Trichlorofluoromethane     | 698          | 3490        | < 0.21       | < 4.2        | < 4.2                | < 4.2        | < 4.2        | < 4.2        | < 2.1              | < 0.43       | < 0.43       | < 0.43       | < 2.0      | < 0.95     | NA         | NA         | NA         | NA         | < 0.19     | NA         | < 0.38     |
| Vinyl chloride             | 0.02         | 0.2         | < 0.17       | < 1.7        | < 1.7                | < 1.7        | < 1.7        | < 1.7        | < 0.87             | < 0.20       | < 0.20       | < 0.20       | < 2.3      | < 0.5      | NA         | NA         | NA         | NA         | < 0.1      | NA         | < 0.2      |
| Xylenes, Total             | 400          | 2000        | < 1.5        | < 10.5       | < 10.5               | < 10.5       | < 10.5       | < 10.5       | < 5.2              | < 0.22       | < 0.22       | < 0.22       | < 1.1      | < 0.34     | NA         | NA         | NA         | NA         | < 0.068    | NA         | < 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         |            |            |            |            |            |

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Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                   | PREVENTIVE | ENFORCEMENT | MW-18S<br>20 - 30 ft<br>02/28/2013 | MW-18S<br>20 - 30 ft<br>03/12/2013 | MW-18S<br>20 - 30 ft<br>04/19/2013 | MW-18S<br>20 - 30 ft<br>07/17/2013 | MW-18S<br>20 - 30 ft<br>10/09/2013 | MW-18S<br>20 - 30 ft<br>04/22/2014 | MW-18S<br>20 - 30 ft<br>10/23/2014 | MW-19D<br>60 - 90 ft<br>11/29/2012 | MW-19D<br>60 - 90 ft<br>12/11/2012 | MW-19D<br>60 - 90 ft<br>12/12/2012 | MW-19D<br>60 - 90 ft<br>12/13/2012 | MW-19D<br>60 - 90 ft<br>12/14/2012 | MW-19D<br>60 - 90 ft<br>12/15/2012 | MW-19D<br>60 - 90 ft<br>12/16/2012 | MW-19D<br>60 - 90 ft<br>12/17/2012 | MW-19D<br>60 - 90 ft<br>12/18/2012 | MW-19D<br>60 - 90 ft<br>12/19/2012 | MW-19D<br>60 - 90 ft<br>12/27/2012 | MW-19D<br>60 - 90 ft<br>01/02/2013 |
|---------------------------|------------|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| VOCs                      |            |             |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| 1,1,1,2-Tetrachloroethane | 7          | 70          | NA                                 | < 1.3                              | < 1.3                              | < 1.3                              | < 1.3                              | < 0.25                             | < 0.25                             | < 1.3                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,1,1-Trichloroethane     | 40         | 200         | NA                                 | < 1                                | < 1                                | < 1                                | < 1                                | < 0.20                             | < 0.20                             | < 1                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,1,2-Trichloroethane     | 0.5        | 5           | NA                                 | < 1.4                              | < 1.4                              | < 1.4                              | < 1.4                              | < 0.28                             | < 0.28                             | < 1.4                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,1-Dichloroethene        | 0.7        | 7           | NA                                 | < 1.6                              | < 1.6                              | < 1.6                              | < 1.6                              | < 0.31                             | < 0.31                             | < 1.6                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2,4-Trimethylbenzene    | 96         | 480         | NA                                 | < 0.7                              | < 0.7                              | < 0.7                              | < 0.7                              | < 0.14                             | < 0.14                             | < 0.7                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2-Dibromoethane         | 0.005      | 0.05        | NA                                 | < 1.8                              | < 1.8                              | < 1.8                              | < 1.8                              | < 0.36                             | < 0.36                             | < 1.8                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2-Dichlorobenzene       | 60         | 600         | NA                                 | < 1.4                              | < 1.4                              | < 1.4                              | < 1.4                              | < 0.27                             | < 0.27                             | < 1.4                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2-Dichloroethane        | 0.5        | 5           | NA                                 | < 1.4                              | < 1.4                              | < 1.4                              | < 1.4                              | < 0.28                             | < 0.28                             | < 1.4                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2-Dichloropropane       | 0.5        | 5           | NA                                 | < 1                                | < 1                                | < 1                                | < 1                                | < 0.20                             | < 0.20                             | < 1                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2,3-Trichlorobenzene    | NE         | NE          | NA                                 | < 1.2                              | < 1.2                              | < 1.2                              | < 1.2                              | < 0.24                             | < 0.24                             | < 1.2                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,2,4-Trichlorobenzene    | 14         | 70          | NA                                 | < 1.6                              | < 1.6                              | < 1.6                              | < 1.6                              | < 0.31                             | < 0.31                             | < 1.6                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 1,3,5-Trimethylbenzene    | 96         | 480         | NA                                 | < 0.9                              | < 0.9                              | < 0.9                              | < 0.9                              | < 0.18                             | < 0.18                             | < 0.9                              | NA                                 | NA                                 | NA                                 | NA                                 | 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                                 | NA                                 | NA                                 |                                    |
| 2-Hexanone                | NE         | NE          | 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                                 |                                    |
| Acetone                   | 1800       | 9000        | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Benzene                   | 0.5        | 5           | NA                                 | 1.9 J                              | 2.2 J                              | < 0.37                             | 1.3 J                              | 0.38 J                             | 0.46 J                             | < 0.37                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Bromodichloromethane      | 0.06       | 0.6         | NA                                 | < 0.85                             | < 0.85                             | < 0.85                             | < 0.85                             | < 0.17                             | < 0.17                             | < 0.85                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Bromoform                 | 0.44       | 4.4         | NA                                 | < 1.4                              | < 1.4                              | < 1.4                              | < 1.4                              | < 0.28                             | < 0.28                             | < 1.4                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Bromomethane              | 1          | 10          | NA                                 | < 1.6                              | < 1.6                              | < 1.6                              | < 1.6                              | < 0.31                             | < 0.31                             | < 1.6                              | NA                                 | NA                                 | NA                                 | NA                                 | 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                                 | NA                                 | NA                                 |                                    |
| Carbon tetrachloride      | 0.5        | 5           | NA                                 | < 1.3                              | < 1.3                              | < 1.3                              | < 1.3                              | < 0.26                             | < 0.26                             | < 1.3                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Chloroethane              | 80         | 400         | NA                                 | < 1.7                              | < 1.7                              | < 1.7                              | < 1.7                              | < 0.34                             | < 0.34                             | < 1.7                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Chloroform                | 0.6        | 6           | NA                                 | 7.5                                | 6.2                                | < 1                                | 5.2                                | 1.4                                | 2                                  | < 1                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Chloromethane             | 3          | 30          | NA                                 | < 0.9                              | < 0.9                              | < 0.9                              | < 0.9                              | < 0.18                             | < 0.18                             | < 0.9                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| cis-1,2-Dichloroethene    | 7          | 70          | NA                                 | 110                                | 99                                 | 70                                 | 78                                 | 21                                 | 26                                 | 530                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Di-isopropyl ether        | NE         | NE          | NA                                 | < 0.75                             | < 0.75                             | < 0.75                             | < 0.75                             | < 0.15                             | < 0.15                             | < 0.75                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Dichlorodifluoromethane   | 200        | 1000        | NA                                 | < 1                                | < 1                                | < 1                                | < 1                                | < 0.20                             | < 0.20                             | < 1                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Ethylbenzene              | 140        | 700         | NA                                 | < 0.65                             | < 0.65                             | < 0.65                             | < 0.65                             | < 0.13                             | < 0.13                             | < 0.65                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Isopropylbenzene          | NE         | NE          | NA                                 | < 0.7                              | < 0.7                              | < 0.7                              | < 0.7                              | < 0.14                             | < 0.14                             | < 0.7                              | NA                                 | NA                                 | NA                                 | NA                                 | 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                                 | NA                                 | NA                                 |                                    |
| Methyl tert-butyl ether   | 12         | 60          | NA                                 | < 1.2                              | < 1.2                              | < 1.2                              | < 1.2                              | < 0.24                             | < 0.24                             | < 1.2                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Methylene chloride        | 0.5        | 5           | NA                                 | < 3.4                              | < 3.4                              | < 3.4                              | < 3.4                              | < 0.68                             | < 0.68                             | < 3.4                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Naphthalene               | 10         | 100         | NA                                 | < 0.8                              | < 0.8                              | < 0.8                              | < 0.8                              | < 0.16                             | < 0.16                             | < 0.8                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| n-Butylbenzene            | NE         | NE          | NA                                 | < 0.65                             | < 0.65                             | < 0.65                             | < 0.65                             | < 0.13                             | < 0.13                             | < 0.65                             | NA                                 | NA                                 | NA                                 | NA                                 | 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                                 | NA                                 | NA                                 |                                    |
| n-Propylbenzene           | NE         | NE          | NA                                 | < 0.65                             | < 0.65                             | < 0.65                             | < 0.65                             | < 0.13                             | < 0.13                             | < 0.65                             | NA                                 | NA                                 | NA                                 | NA                                 | 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                                 | NA                                 | NA                                 |                                    |
| p-Isopropyltoluene        | NE         | NE          | NA                                 | < 0.85                             | < 0.85                             | < 0.85                             | < 0.85                             | < 0.17                             | < 0.17                             | < 0.85                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| sec-Butylbenzene          | NE         | NE          | NA                                 | < 0.75                             | < 0.75                             | < 0.75                             | < 0.75                             | < 0.15                             | < 0.15                             | < 0.75                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Styrene                   | 10         | 100         | NA                                 | < 0.5                              | < 0.5                              | < 0.5                              | < 0.5                              | < 0.10                             | < 0.10                             | < 0.5                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| tert-Butylbenzene         | NE         | NE          | NA                                 | < 0.7                              | < 0.7                              | < 0.7                              | < 0.7                              | < 0.14                             | < 0.14                             | < 0.7                              | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Tetrachloroethene         | 0.5        | 5           | NA                                 | 2600                               | 2600                               | 2900                               | 1800                               | 520                                | 520                                | 2400                               | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Toluene                   | 160        | 800         | NA                                 | < 0.55                             | < 0.55                             | < 0.55                             | < 0.55                             | < 0.11                             | < 0.11                             | < 0.55                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| trans-1,2-Dichloroethene  | 20         | 100         | NA                                 | 5.3                                | 4.1 J                              | 2.6 J                              | 4.6 J                              | 1.3                                | 1.9                                | 7.2                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Trichloroethene           | 0.5        | 5           | NA                                 | 160                                | 170                                | 140                                | 150                                | 43                                 | 65                                 | 230                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Trichlorofluoromethane    | 698        | 3490        | NA                                 | < 0.95                             | < 0.95                             | < 0.95                             | < 0.95                             | < 1.0                              | < 1.0                              | < 0.95                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Vinyl chloride            | 0.02       | 0.2         | NA                                 | < 0.5                              | < 0.5                              | < 0.5                              | < 0.5                              | < 0.10                             | < 0.10                             | 9.1                                | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| Xylenes, Total            | 400        | 2000        | NA                                 | < 0.34                             | < 0.34                             | < 0.34                             | < 0.34                             | < 0.068                            | < 0.068                            | < 0.34                             | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 |                                    |
| 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.         |             |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | MW-19D     | MW-19D     | MW-19D     | MW-19D <sup>1</sup> | MW-19D     | MW-19D <sup>1</sup> | MW-19D     | MW-19D     | MW-19D <sup>1</sup> | MW-19D     | MW-19D <sup>1</sup> | MW-19D     | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      |
|----------------------------|------------|-------------|------------|------------|------------|---------------------|------------|---------------------|------------|------------|---------------------|------------|---------------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION     | LIMIT       | 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 | 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                | DATE       | DATE        | 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          | 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   |
| VOCs                       |            |             |            |            |            |                     |            |                     |            |            |                     |            |                     |            |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | NA         | < 1.3      | NA         | < 1.3               | NA         | < 1.3               | < 1.3      | < 1.3      | < 1.3               | < 1.3      | < 0.50              | < 0.5      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.5        |
| 1,1,1-Trichloroethane      | 40         | 200         | NA         | < 1        | NA         | < 1                 | NA         | < 1                 | < 1        | < 1        | < 1                 | < 1        | < 0.40              | < 0.4      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.4        |
| 1,1,2-Trichloroethane      | 0.5        | 5           | NA         | < 1.4      | NA         | < 1.4               | NA         | < 1.4               | < 1.4      | < 1.4      | < 1.4               | < 1.4      | < 0.56              | < 0.56     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.56       |
| 1,1-Dichloroethene         | 0.7        | 7           | NA         | < 1.6      | NA         | < 1.6               | NA         | < 1.6               | < 1.6      | < 1.6      | < 1.6               | < 1.6      | < 0.62              | < 0.62     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.62       |
| 1,2,4-Trimethylbenzene     | 96         | 480         | NA         | < 0.7      | NA         | < 0.7               | NA         | < 0.7               | < 0.7      | < 0.7      | < 0.7               | < 0.7      | < 0.28              | < 0.28     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.28       |
| 1,2-Dibromoethane          | 0.005      | 0.05        | NA         | < 1.8      | NA         | < 1.8               | NA         | < 1.8               | < 1.8      | < 1.8      | < 1.8               | < 1.8      | < 0.72              | < 0.72     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.72       |
| 1,2-Dichlorobenzene        | 60         | 600         | NA         | < 1.4      | NA         | < 1.4               | NA         | < 1.4               | < 1.4      | < 1.4      | < 1.4               | < 1.4      | < 0.54              | < 0.54     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.54       |
| 1,2-Dichloroethane         | 0.5        | 5           | NA         | < 1.4      | NA         | < 1.4               | NA         | < 1.4               | < 1.4      | < 1.4      | < 1.4               | < 1.4      | < 0.56              | < 0.56     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.56       |
| 1,2-Dichloropropane        | 0.5        | 5           | NA         | < 1        | NA         | < 1                 | NA         | < 1                 | < 1        | < 1        | < 1                 | < 1        | < 0.40              | < 0.4      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.4        |
| 1,2,3-Trichlorobenzene     | NE         | NE          | NA         | < 1.2      | NA         | < 1.2               | NA         | < 1.2               | < 1.2      | < 1.2      | < 1.2               | < 1.2      | < 0.48              | < 0.48     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.48       |
| 1,2,4-Trichlorobenzene     | 14         | 70          | NA         | < 1.6      | NA         | < 1.6               | NA         | < 1.6               | < 1.6      | < 1.6      | < 1.6               | < 1.6      | < 0.62              | < 0.62     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.62       |
| 1,3,5-Trimethylbenzene     | 96         | 480         | NA         | < 0.9      | NA         | < 0.9               | NA         | < 0.9               | < 0.9      | < 0.9      | < 0.9               | < 0.9      | < 0.36              | < 0.36     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 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           |
| 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           | NA         | < 0.37     | NA         | < 0.37              | NA         | < 0.37              | < 0.37     | < 0.37     | < 0.37              | < 0.37     | < 0.15              | < 0.15     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.15       |
| Bromodichloromethane       | 0.06       | 0.6         | NA         | < 0.85     | NA         | < 0.85              | NA         | < 0.85              | < 0.85     | < 0.85     | < 0.85              | < 0.85     | < 0.34              | < 0.34     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.34       |
| Bromoform                  | 0.44       | 4.4         | NA         | < 1.4      | NA         | < 1.4               | NA         | < 1.4               | < 1.4      | < 1.4      | < 1.4               | < 1.4      | < 0.56              | < 0.56     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.56       |
| Bromomethane               | 1          | 10          | NA         | < 1.6      | NA         | < 1.6 *             | NA         | < 1.6               | < 1.6      | < 1.6      | < 1.6               | < 1.6      | < 0.62              | < 0.62     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 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           |
| Carbon tetrachloride       | 0.5        | 5           | NA         | < 1.3      | NA         | < 1.3               | NA         | < 1.3               | < 1.3      | < 1.3      | < 1.3               | < 1.3      | < 0.52              | < 0.52     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.52       |
| Chloroethane               | 80         | 400         | NA         | < 1.7      | NA         | < 1.7               | NA         | < 1.7               | < 1.7      | < 1.7      | < 1.7               | < 1.7      | < 0.68              | < 0.68     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.68       |
| Chloroform                 | 0.6        | 6           | NA         | < 1        | NA         | < 1                 | NA         | < 1                 | < 1        | < 1        | < 1                 | < 1        | < 0.40              | < 0.4      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.4        |
| Chloromethane              | 3          | 30          | NA         | < 0.9      | NA         | < 0.9               | NA         | < 0.9               | < 0.9      | < 0.9      | < 0.9               | < 0.9      | < 0.36              | < 0.36     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.36       |
| cis-1,2-Dichloroethene     | 7          | 70          | NA         | 170        | NA         | 450                 | NA         | 420                 | 520        | 540        | 300                 | 49         | 240                 | 250        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | 320          |
| Di-isopropyl ether         | NE         | NE          | NA         | < 0.75     | NA         | < 0.75              | NA         | < 0.75              | < 0.75     | < 0.75     | < 0.75              | < 0.75     | < 0.30              | < 0.3      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.3        |
| Dichlorodifluoromethane    | 200        | 1000        | NA         | < 1        | NA         | < 1                 | NA         | < 1                 | < 1        | < 1        | < 1                 | < 1        | < 0.40              | < 0.4      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.4        |
| Ethylbenzene               | 140        | 700         | NA         | < 0.65     | NA         | < 0.65              | NA         | < 0.65              | < 0.65     | < 0.65     | < 0.65              | < 0.65     | < 0.26              | < 0.26     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.26       |
| Isopropylbenzene           | NE         | NE          | NA         | < 0.7      | NA         | < 0.7               | NA         | < 0.7               | < 0.7      | < 0.7      | < 0.7               | < 0.7      | < 0.28              | < 0.28     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 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           |
| Methyl tert-butyl ether    | 12         | 60          | NA         | < 1.2      | NA         | < 1.2               | NA         | < 1.2               | < 1.2      | < 1.2      | < 1.2               | < 1.2      | < 0.48              | < 0.48     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.48       |
| Methylene chloride         | 0.5        | 5           | NA         | < 3.4      | NA         | < 3.4               | NA         | < 3.4               | < 3.4      | < 3.4      | < 3.4               | < 3.4      | < 1.4               | < 1.4      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 1.4        |
| Naphthalene                | 10         | 100         | NA         | < 0.8      | NA         | < 0.8               | NA         | < 0.8               | < 0.8      | < 0.8      | < 0.8               | < 0.8      | < 0.32              | < 0.32     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.32       |
| n-Butylbenzene             | NE         | NE          | NA         | < 0.65     | NA         | < 0.65              | NA         | < 0.65              | < 0.65     | < 0.65     | < 0.65              | < 0.65     | < 0.26              | < 0.26     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 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           |
| n-Propylbenzene            | NE         | NE          | NA         | < 0.65     | NA         | < 0.65              | NA         | < 0.65              | < 0.65     | < 0.65     | < 0.65              | < 0.65     | < 0.26              | < 0.26     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 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           |
| p-Isopropyltoluene         | NE         | NE          | NA         | < 0.85     | NA         | < 0.85              | NA         | < 0.85              | < 0.85     | < 0.85     | < 0.85              | < 0.85     | < 0.34              | < 0.34     | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.34       |
| sec-Butylbenzene           | NE         | NE          | NA         | < 0.75     | NA         | < 0.75              | NA         | < 0.75              | < 0.75     | < 0.75     | < 0.75              | < 0.75     | < 0.30              | < 0.3      | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.3        |
| Styrene                    | 10         |             |            |            |            |                     |            |                     |            |            |                     |            |                     |            |              |              |              |              |              |              |              |              |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                             |              |             | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2      | MW-19D2 <sup>2</sup> | MW-19D2 <sup>1</sup> | MW-19D2      | MW-19D2      | MW-19D2 <sup>1</sup> | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     |
|-------------------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|----------------------|----------------------|--------------|--------------|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 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         | 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    | 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           | 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 |
| VOCs                                |              |             |              |              |              |              |              |                      |                      |              |              |                      |            |            |            |            |            |            |            |            |            |
| 1,1,1,2-Tetrachloroethane           | 7            | 70          | NA           | < 0.5        | NA           | < 0.5        | < 1.3        | < 0.5                | < 0.5                | < 0.5        | < 1.3        | < 0.50               | < 1.3      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,1,1-Trichloroethane               | 40           | 200         | NA           | < 0.4        | NA           | < 0.4        | < 1          | < 0.4                | < 0.4                | < 0.4        | < 1.0        | < 0.40               | < 1        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,1,2-Trichloroethane               | 0.5          | 5           | NA           | < 0.56       | NA           | < 0.56       | < 1.4        | < 0.56               | < 0.56               | < 0.56       | < 1.4        | < 0.56               | < 1.4      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,1-Dichloroethene                  | 0.7          | 7           | NA           | < 0.62       | NA           | < 0.62       | < 1.6        | < 0.62               | < 0.62               | < 0.62       | < 1.6        | < 0.62               | < 1.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2,4-Trimethylbenzene              | 96           | 480         | NA           | < 0.28       | NA           | < 0.28       | < 0.7        | < 0.28               | < 0.28               | < 0.28       | < 0.70       | < 0.28               | < 0.7      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2-Dibromoethane                   | 0.005        | 0.05        | NA           | < 0.72       | NA           | < 0.72       | < 1.8        | < 0.72               | < 0.72               | < 0.72       | < 1.8        | < 0.72               | < 1.8      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2-Dichlorobenzene                 | 60           | 600         | NA           | < 0.54       | NA           | < 0.54       | < 1.4        | < 0.54               | < 0.54               | < 0.54       | < 1.4        | < 0.54               | < 1.4      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2-Dichloroethane                  | 0.5          | 5           | NA           | < 0.56       | NA           | < 0.56       | < 1.4        | < 0.56               | < 0.56               | < 0.56       | < 1.4        | < 0.56               | < 1.4      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2-Dichloropropane                 | 0.5          | 5           | NA           | < 0.4        | NA           | < 0.4        | < 1          | < 0.4                | < 0.4                | < 0.4        | < 1.0        | < 0.40               | < 1        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2,3-Trichlorobenzene              | NE           | NE          | NA           | < 0.48       | NA           | < 0.48       | < 1.2        | < 0.48               | < 0.48               | < 0.48       | < 1.2        | < 0.48               | < 1.2      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,2,4-Trichlorobenzene              | 14           | 70          | NA           | < 0.62       | NA           | < 0.62       | < 1.6        | < 0.62               | < 0.62               | < 0.62       | < 1.6        | < 0.62               | < 1.6      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 1,3,5-Trimethylbenzene              | 96           | 480         | NA           | < 0.36       | NA           | < 0.36       | < 0.9        | < 0.36               | < 0.36               | < 0.36       | < 0.90       | < 0.36               | < 0.9      | NA         | NA         | 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         | 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           | NA           | < 0.15       | NA           | < 0.15       | < 0.37       | < 0.15               | < 0.15               | < 0.15       | < 0.37       | < 0.15               | < 0.37     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Bromodichloromethane                | 0.06         | 0.6         | NA           | < 0.34       | NA           | < 0.34       | < 0.85       | < 0.34               | < 0.34               | < 0.34       | < 0.85       | < 0.34               | < 0.85     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Bromoform                           | 0.44         | 4.4         | NA           | < 0.56       | NA           | < 0.56       | < 1.4        | < 0.56               | < 0.56               | < 0.56       | < 1.4        | < 0.56               | < 1.4      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Bromomethane                        | 1            | 10          | NA           | < 0.62 *     | NA           | < 0.62       | < 1.6        | < 0.62               | < 0.62               | < 0.62       | < 1.6        | < 0.62 *             | < 1.6      | NA         | NA         | 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         | NA         | NA         | NA         |
| Carbon tetrachloride                | 0.5          | 5           | NA           | < 0.52       | NA           | < 0.52       | < 1.3        | < 0.52               | < 0.52               | < 0.52       | < 1.3        | < 0.52               | < 1.3      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Chloroethane                        | 80           | 400         | NA           | < 0.68       | NA           | < 0.68       | < 1.7        | < 0.68               | < 0.68               | < 0.68       | < 1.7        | < 0.68               | < 1.7      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Chloroform                          | 0.6          | 6           | NA           | < 0.4        | NA           | < 0.4        | < 1          | < 0.4                | < 0.4                | < 0.4        | < 1.0        | < 0.40               | < 1        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Chloromethane                       | 3            | 30          | NA           | < 0.36       | NA           | < 0.36       | < 0.9        | < 0.36               | < 0.36               | < 0.36       | < 0.90       | < 0.36               | < 0.9      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| cis-1,2-Dichloroethene              | 7            | 70          | NA           | 270          | NA           | 260          | 200          | < 0.24               | 98                   | 120          | 330          | 6.8                  | 370        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Di-isopropyl ether                  | NE           | NE          | NA           | < 0.3        | NA           | < 0.3        | < 0.75       | < 0.3                | < 0.3                | < 0.3        | < 0.75       | < 0.30               | < 0.75     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Dichlorodifluoromethane             | 200          | 1000        | NA           | < 0.4        | NA           | < 0.4        | < 1          | < 0.4                | < 0.4                | < 0.4        | < 1.0        | < 0.40               | < 1        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Ethylbenzene                        | 140          | 700         | NA           | < 0.26       | NA           | < 0.26       | < 0.65       | < 0.26               | < 0.26               | < 0.26       | < 0.65       | < 0.26               | < 0.65     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Isopropylbenzene                    | NE           | NE          | NA           | < 0.28       | NA           | < 0.28       | < 0.7        | < 0.28               | < 0.28               | < 0.28       | < 0.70       | < 0.28               | < 0.7      | NA         | NA         | 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         | NA         | NA         | NA         |
| Methyl tert-butyl ether             | 12           | 60          | NA           | < 0.48       | NA           | < 0.48       | < 1.2        | < 0.48               | < 0.48               | < 0.48       | < 1.2        | < 0.48               | < 1.2      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Methylene chloride                  | 0.5          | 5           | NA           | < 1.4        | NA           | < 1.4        | < 3.4        | < 1.4                | < 1.4                | < 1.4        | < 3.4        | < 1.4                | < 3.4      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Naphthalene                         | 10           | 100         | NA           | < 0.32       | NA           | < 0.32       | < 0.8        | < 0.32               | < 0.32               | < 0.32       | < 0.80       | < 0.32               | < 0.8      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| n-Butylbenzene                      | NE           | NE          | NA           | < 0.26       | NA           | < 0.26       | < 0.65       | < 0.26               | < 0.26               | < 0.26       | < 0.65       | < 0.26               | < 0.65     | NA         | NA         | 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         | NA         | NA         | NA         |
| n-Propylbenzene                     | NE           | NE          | NA           | < 0.26       | NA           | < 0.26       | < 0.65       | < 0.26               | < 0.26               | < 0.26       | < 0.65       | < 0.26               | < 0.65     | NA         | NA         | 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         | NA         | NA         | NA         |
| p-Isopropyltoluene                  | NE           | NE          | NA           | < 0.34       | NA           | < 0.34       | < 0.85       | < 0.34               | < 0.34               | < 0.34       | < 0.85       | < 0.34               | < 0.85     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| sec-Butylbenzene                    | NE           | NE          | NA           | < 0.3        | NA           | < 0.3        | < 0.75       | < 0.3                | < 0.3                | < 0.3        | < 0.75       | < 0.30               | < 0.75     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Styrene                             | 10           | 100         | NA           | < 0.2        | NA           | < 0.2        | < 0.5        | < 0.2                | < 0.2                | < 0.2        | < 0.50       | < 0.20               | < 0.5      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| tert-Butylbenzene                   | NE           | NE          | NA           | < 0.28       | NA           | < 0.28       | < 0.7        | < 0.28               | < 0.28               | < 0.28       | < 0.70       | < 0.28               | < 0.7      | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Tetrachloroethene                   | 0.5          | 5           | NA           | 1300         | NA           | 1400         | 1000         | 820                  | 1200                 | 950          | 1900         | 620                  | 1600       | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Toluene                             | 160          | 800         | NA           | < 0.22       | NA           | < 0.22       | < 0.55       | < 0.22               | < 0.22               | < 0.22       | < 0.55       | < 0.22               | < 0.55     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| trans-1,2-Dichloroethene            | 20           | 100         | NA           | 4.2          | NA           | 4.2          | 2.6 J        | < 0.5                | < 0.5                | < 0.5        | 5.0          | < 0.50               | 5.0        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Trichloroethene                     | 0.5          | 5           | NA           | 150          | NA           | 150          | 130          | < 0.38               | 110                  | 120          | 170          | 11                   | 170        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Trichlorofluoromethane              | 698          | 3490        | NA           | < 0.38       | NA           | < 0.38       | < 0.95       | < 0.38               | < 0.38               | < 0.38       | < 5.0        | < 2.0                | < 0.95     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Vinyl chloride                      | 0.02         | 0.2         | NA           | < 0.2        | NA           | < 0.2        | < 0.5        | < 0.2                | < 0.2                | < 0.2        | 7.9          | < 0.20               | 3.2        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| Xylenes, Total                      | 400          | 2000        | NA           | < 0.14       | NA           | < 0.14       | < 0.34       | < 0.14               | < 0.14               | < 0.14       | < 0.34       | < 0.14               | < 0.34     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| 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         | 1500         | 1500         | NA           | NA           | NA                   | NA                   | NA           | NA           | NA                   | 920        | 990        | 5000       | 16000      | 10000      | 4800       | 2500       | 3100       | 2200       |
| 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 68.                   |              |             |              |              |              |              |              |                      |                      |              |              |                      |            |            |            |            |            |            |            |            |            |

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WEL ID                              |              |             | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D <sup>1</sup> | MW-20D     | MW-20D <sup>1</sup> | MW-20D <sup>1</sup> | MW-20D     | MW-20D     | MW-20D     | MW-20D     | MW-20D2      | MW-20D2      | MW-20D2      | MW-20D2      | MW-20D2      |
|-------------------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|---------------------|------------|---------------------|---------------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|
| 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 | 110 - 140 ft | 110 - 140 ft | 110 - 140 ft | 110 - 140 ft | 110 - 140 ft |
| SAMPLE DATE                         | ACTION LIMIT | STANDARD    | 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 | 11/29/2012   | 12/13/2012   | 12/14/2012   | 12/15/2012   | 12/16/2012   |
| VOCs                                |              |             |            |            |            |            |            |            |            |                     |            |                     |                     |            |            |            |            |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane           | 7            | 70          | NA         | NA         | NA         | < 0.25     | NA         | NA         | NA         | < 0.25              | NA         | < 0.25              | < 1.3               | < 0.5      | < 1.3      | < 0.50     | < 0.50     | < 0.5        | NA           | NA           | NA           | NA           |
| 1,1,1-Trichloroethane               | 40           | 200         | NA         | NA         | NA         | < 0.2      | NA         | NA         | NA         | < 0.2               | NA         | < 0.2               | < 1                 | < 0.4      | < 1        | < 0.40     | < 0.40     | < 0.4        | NA           | NA           | NA           | NA           |
| 1,1,2-Trichloroethane               | 0.5          | 5           | NA         | NA         | NA         | < 0.28     | NA         | NA         | NA         | < 0.28              | NA         | < 0.28              | < 1.4               | < 0.56     | < 1.4      | < 0.56     | < 0.56     | < 0.56       | NA           | NA           | NA           | NA           |
| 1,1-Dichloroethene                  | 0.7          | 7           | NA         | NA         | NA         | < 0.31     | NA         | NA         | NA         | < 0.31              | NA         | < 0.31              | < 1.6               | < 0.62     | < 1.6      | < 0.62     | < 0.62     | < 0.62       | NA           | NA           | NA           | NA           |
| 1,2,4-Trimethylbenzene              | 96           | 480         | NA         | NA         | NA         | < 0.14     | NA         | NA         | NA         | < 0.14              | NA         | < 0.14              | < 0.7               | < 0.28     | < 0.7      | < 0.28     | < 0.28     | < 0.28       | NA           | NA           | NA           | NA           |
| 1,2-Dibromoethane                   | 0.005        | 0.05        | NA         | NA         | NA         | < 0.36     | NA         | NA         | NA         | < 0.36              | NA         | < 0.36              | < 1.8               | < 0.72     | < 1.8      | < 0.72     | < 0.72     | < 0.72       | NA           | NA           | NA           | NA           |
| 1,2-Dichlorobenzene                 | 60           | 600         | NA         | NA         | NA         | < 0.27     | NA         | NA         | NA         | < 0.27              | NA         | < 0.27              | < 1.4               | < 0.54     | < 1.4      | < 0.54     | < 0.54     | < 0.54       | NA           | NA           | NA           | NA           |
| 1,2-Dichloroethane                  | 0.5          | 5           | NA         | NA         | NA         | < 0.28     | NA         | NA         | NA         | < 0.28              | NA         | < 0.28              | < 1.4               | < 0.56     | < 1.4      | < 0.56     | < 0.56     | < 0.56       | NA           | NA           | NA           | NA           |
| 1,2-Dichloropropane                 | 0.5          | 5           | NA         | NA         | NA         | < 0.2      | NA         | NA         | NA         | < 0.2               | NA         | < 0.2               | < 1                 | < 0.4      | < 1        | < 0.40     | < 0.40     | < 0.4        | NA           | NA           | NA           | NA           |
| 1,2,3-Trichlorobenzene              | NE           | NE          | NA         | NA         | NA         | < 0.24     | NA         | NA         | NA         | < 0.24              | NA         | < 0.24              | < 1.2               | < 0.48     | < 1.2      | < 0.48     | < 0.48     | < 0.48       | NA           | NA           | NA           | NA           |
| 1,2,4-Trichlorobenzene              | 14           | 70          | NA         | NA         | NA         | < 0.31     | NA         | NA         | NA         | < 0.31              | NA         | < 0.31              | < 1.6               | < 0.62     | < 1.6      | < 0.62     | < 0.62     | < 0.62       | NA           | NA           | NA           | NA           |
| 1,3,5-Trimethylbenzene              | 96           | 480         | NA         | NA         | NA         | < 0.18     | NA         | NA         | NA         | < 0.18              | NA         | < 0.18              | < 0.9               | < 0.36     | < 0.9      | < 0.36     | < 0.36     | < 0.36       | NA           | NA           | NA           | NA           |
| 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           | NA         | NA         | NA         | < 0.074    | NA         | NA         | NA         | < 0.074             | NA         | < 0.074             | < 0.37              | < 0.15     | < 0.37     | < 0.15     | < 0.15     | < 0.15       | NA           | NA           | NA           | NA           |
| Bromodichloromethane                | 0.06         | 0.6         | NA         | NA         | NA         | < 0.17     | NA         | NA         | NA         | < 0.17              | NA         | < 0.17              | < 0.85              | < 0.34     | < 0.85     | < 0.34     | < 0.34     | < 0.34       | NA           | NA           | NA           | NA           |
| Bromochloromethane                  | 0.44         | 4.4         | NA         | NA         | NA         | < 0.28     | NA         | NA         | NA         | < 0.28              | NA         | < 0.28              | < 1.4               | < 0.56     | < 1.4      | < 0.56     | < 0.56     | < 0.56       | NA           | NA           | NA           | NA           |
| Bromomethane                        | 1            | 10          | NA         | NA         | NA         | < 0.31     | NA         | NA         | NA         | < 0.31              | NA         | < 0.31              | < 1.6               | < 0.62     | < 1.6      | < 0.62     | < 0.62     | < 0.62       | NA           | NA           | NA           | NA           |
| 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           | NA         | NA         | NA         | < 0.26     | NA         | NA         | NA         | < 0.26              | NA         | < 0.26              | < 1.3               | < 0.52     | < 1.3      | < 0.52     | < 0.52     | < 0.52       | NA           | NA           | NA           | NA           |
| Chloroethane                        | 80           | 400         | NA         | NA         | NA         | < 0.34     | NA         | NA         | NA         | < 0.34              | NA         | < 0.34              | < 1.7               | < 0.68     | < 1.7      | < 0.68     | < 0.68     | < 0.68       | NA           | NA           | NA           | NA           |
| Chloroform                          | 0.6          | 6           | NA         | NA         | NA         | < 0.2      | NA         | NA         | NA         | < 0.2               | NA         | < 0.2               | < 1                 | < 0.4      | < 1        | < 0.40     | < 0.40     | < 0.4        | NA           | NA           | NA           | NA           |
| Chloromethane                       | 3            | 30          | NA         | NA         | NA         | < 0.18     | NA         | NA         | NA         | < 0.18              | NA         | < 0.18              | < 0.36              | < 0.9      | < 0.36     | < 0.36     | < 0.36     | < 0.36       | NA           | NA           | NA           | NA           |
| cis-1,2-Dichloroethene              | 7            | 70          | NA         | NA         | NA         | 0.69 J     | NA         | NA         | NA         | 20                  | NA         | 39                  | 220                 | 180        | 170        | 140        | 200        | 330          | NA           | NA           | NA           | NA           |
| Di-isopropyl ether                  | NE           | NE          | NA         | NA         | NA         | < 0.15     | NA         | NA         | NA         | < 0.15              | NA         | < 0.15              | < 0.75              | < 0.3      | < 0.75     | < 0.30     | < 0.30     | < 0.3        | NA           | NA           | NA           | NA           |
| Dichlorodifluoromethane             | 200          | 1000        | NA         | NA         | NA         | < 0.2      | NA         | NA         | NA         | < 0.2               | NA         | < 0.2               | < 1                 | < 0.4      | < 1        | < 0.40     | < 0.40     | < 0.4        | NA           | NA           | NA           | NA           |
| Ethylbenzene                        | 140          | 700         | NA         | NA         | NA         | < 0.13     | NA         | NA         | NA         | < 0.13              | NA         | < 0.13              | < 0.65              | < 0.26     | < 0.65     | < 0.26     | < 0.26     | < 0.26       | NA           | NA           | NA           | NA           |
| Isopropylbenzene                    | NE           | NE          | NA         | NA         | NA         | < 0.14     | NA         | NA         | NA         | < 0.14              | NA         | < 0.14              | < 0.7               | < 0.28     | < 0.7      | < 0.28     | < 0.28     | < 0.28       | 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           | NA           | NA           | NA           | NA           |
| Methyl tert-butyl ether             | 12           | 60          | NA         | NA         | NA         | < 0.24     | NA         | NA         | NA         | < 0.24              | NA         | < 0.24              | < 1.2               | < 0.48     | < 1.2      | < 0.48     | < 0.48     | < 0.48       | NA           | NA           | NA           | NA           |
| Methylene chloride                  | 0.5          | 5           | NA         | NA         | NA         | < 0.68     | NA         | NA         | NA         | < 0.68              | NA         | < 0.68              | < 3.4               | < 1.4      | < 3.4      | < 1.4      | < 1.4      | < 1.4        | NA           | NA           | NA           | NA           |
| Naphthalene                         | 10           | 100         | NA         | NA         | NA         | < 0.16     | NA         | NA         | NA         | < 0.16              | NA         | < 0.16              | < 0.8               | < 0.32     | < 0.8      | < 0.32     | < 0.32     | < 0.32       | NA           | NA           | NA           | NA           |
| n-Butylbenzene                      | NE           | NE          | NA         | NA         | NA         | < 0.13     | NA         | NA         | NA         | < 0.13              | NA         | < 0.13              | < 0.65              | < 0.26     | < 0.65     | < 0.26     | < 0.26     | < 0.26       | NA           | NA           | NA           | NA           |
| 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          | NA         | NA         | NA         | < 0.13     | NA         | NA         | NA         | < 0.13              | NA         | < 0.13              | < 0.65              | < 0.26     | < 0.65     | < 0.26     | < 0.26     | < 0.26       | NA           | NA           | NA           | NA           |
| 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          | NA         | NA         | NA         | < 0.17     | NA         | NA         | NA         | < 0.17              | NA         | < 0.17              | < 0.85              | < 0.34     | < 0.85     | < 0.34     | < 0.34     | < 0.34       | NA           | NA           | NA           | NA           |
| sec-Butylbenzene                    | NE           | NE          | NA         | NA         | NA         | < 0.15     | NA         | NA         | NA         | < 0.15              | NA         | < 0.15              | < 0.75              | < 0.3      | < 0.75     | < 0.30     | < 0.30     | < 0.3        | NA           | NA           | NA           | NA           |
| Styrene                             | 10           | 100         | NA         | NA         | NA         | < 0.1      | NA         | NA         | NA         | < 0.1               | NA         | < 0.1               | < 0.5               | < 0.2      | < 0.5      | < 0.20     | < 0.20     | < 0.2        | NA           | NA           | NA           | NA           |
| tert-Butylbenzene                   | NE           | NE          | NA         | NA         | NA         | < 0.14     | NA         | NA         | NA         | < 0.14              | NA         | < 0.14              | < 0.7               | < 0.28     | < 0.7      | < 0.28     | < 0.28     | < 0.28       | NA           | NA           | NA           | NA           |
| Tetrachloroethene                   | 0.5          | 5           | NA         | NA         | NA         | 190        | NA         | NA         | NA         | 690                 | NA         | 650                 | 1100                | 1000       | 1200       | 780        | 1100       | 1300         | NA           | NA           | NA           | NA           |
| Toluene                             | 160          | 800         | NA         | NA         | NA         | 0.45 J     | NA         | NA         | NA         | < 0.11              | NA         | < 0.11              | < 0.55              | < 0.22     | < 0.55     | < 0.22     | < 0.22     | < 0.22       | NA           | NA           | NA           | NA           |
| trans-1,2-Dichloroethene            | 20           | 100         | NA         | NA         | NA         | < 0.25     | NA         | NA         | NA         | < 0.25              | NA         | < 0.25              | < 1.3               | 2.2        | < 1.3      | 2.0        | 2.6        | 4.3          | NA           | NA           | NA           | NA           |
| Trichloroethene                     | 0.5          | 5           | NA         | NA         | NA         | 0.54       | NA         | NA         | NA         | 20                  | NA         | 29                  | 100                 | 100        | 89         | 83         | 110        | 150          | NA           | NA           | NA           | NA           |
| Trichlorofluoromethane              | 698          | 3490        | NA         | NA         | NA         | < 0.19     | NA         | NA         | NA         | < 0.19              | NA         | < 0.19              | < 0.95              | < 0.38     | < 0.95     | < 2.0      | < 2.0      | < 0.38       | NA           | NA           | NA           | NA           |
| Vinyl chloride                      | 0.02         | 0.2         | 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        | 1.7          | NA           | NA           | NA           | NA           |
| Xylenes, Total                      | 400          | 2000        | NA         | NA         | NA         | < 0.068    | NA         | NA         | NA         | < 0.068             | NA         | < 0.068             | < 0.34              | < 0.14     | < 0.34     | < 0.14     | < 0.14     | < 0.14       | NA           | NA           | NA           | NA           |
| 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          | 940        | 1300       | 900        | 940        | 880        | 830        | 840        | NA                  | 1000       | NA                  | NA                  | NA         | NA         | NA         | NA         | 1000         | 1500         | 2400         | 3000         | 25000        |
| 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 68.

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WELL ID                             | SCREEN INTERVAL (feet bgs) | PREVENTIVE ACTION LIMIT | ENFORCEMENT STANDARD | MW-20D2<br>110 - 140 ft<br>12/17/2012 | MW-20D2<br>110 - 140 ft<br>12/18/2012 | MW-20D2<br>110 - 140 ft<br>12/19/2012 | MW-20D2<br>110 - 140 ft<br>12/27/2012 | MW-20D2<br>110 - 140 ft<br>01/02/2013 | MW-20D2<br>110 - 140 ft<br>01/16/2013 | MW-20D2<br>110 - 140 ft<br>01/16/2013 | MW-20D2<br>110 - 140 ft<br>01/30/2013 | MW-20D2 <sup>1</sup><br>110 - 140 ft<br>02/12/2013 | MW-20D2<br>110 - 140 ft<br>02/12/2013 | MW-20D2<br>110 - 140 ft<br>02/12/2013 | MW-20D2 <sup>1,3</sup><br>110 - 140 ft<br>02/12/2013 | MW-20D2<br>110 - 140 ft<br>02/28/2013 | MW-20D2 <sup>1</sup><br>110 - 140 ft<br>03/12/2013 | MW-20D2 <sup>1</sup><br>110 - 140 ft<br>04/18/2013 | MW-20D2 <sup>1</sup><br>110 - 140 ft<br>07/17/2013 | MW-20D2 <sup>1</sup><br>110 - 140 ft<br>10/15/2013 | MW-20D2<br>110 - 140 ft<br>04/15/2014 | MW-20D2 <sup>1</sup><br>110 - 140 ft<br>10/22/2014 |
|-------------------------------------|----------------------------|-------------------------|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------------------|---------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------|----------------------------------------------------|
| VOCS                                |                            |                         |                      |                                       |                                       |                                       |                                       |                                       |                                       |                                       |                                       |                                                    |                                       |                                       |                                                      |                                       |                                                    |                                                    |                                                    |                                                    |                                       |                                                    |
| 1,1,1,2-Tetrachloroethane           | 7                          | 70                      |                      | 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                     |                      | 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                       |                      | 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                       |                      | 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                     |                      | 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                    |                      | 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                     |                      | 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                       |                      | 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                       |                      | 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                      |                      | 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                      |                      | 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                     |                      | 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                                                 |
| 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                       |                      | 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                     |                      | 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                     |                      | 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                      |                      | 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                                                 |
| Carbon tetrachloride                | 0.5                        | 5                       |                      | 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                                             |
| Chloroethane                        | 80                         | 400                     |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | < 0.34                                | NA                                    | < 0.34                                             | NA                                    | NA                                    | < 0.34                                               | NA                                    | < 0.34                                             | < 1.7                                              | < 0.34                                             | < 0.34                                             | < 1.7                                 | < 0.68                                             |
| Chloroform                          | 0.6                        | 6                       |                      | 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                      |                      | 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                      |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | < 0.12                                | NA                                    | 2.8                                                | NA                                    | NA                                    | < 0.12                                               | NA                                    | 2.8                                                | <b>30</b>                                          | < 0.12                                             | 1.4                                                | < 0.60                                | <b>12</b>                                          |
| Di-isopropyl ether                  | NE                         | NE                      |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | < 0.15                                | NA                                    | NA                                                 | NA                                    | < 0.15                                | NA                                                   | < 0.15                                | < 0.75                                             | < 0.15                                             | < 0.15                                             | < 0.15                                             | < 0.75                                | < 0.30                                             |
| Dichlorodifluoromethane             | 200                        | 1000                    |                      | 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                     |                      | 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                      |                      | 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                                                 |
| Methyl tert-butyl ether             | 12                         | 60                      |                      | 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                       |                      | 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                     |                      | 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                      |                      | 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                                                 |
| n-Propylbenzene                     | NE                         | NE                      |                      | 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                                                 |
| p-Isopropyltoluene                  | NE                         | NE                      |                      | 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                      |                      | 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                     |                      | 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                      |                      | 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                       |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | <b>190</b>                            | NA                                    | <b>700</b>                                         | NA                                    | NA                                    | <b>24</b>                                            | NA                                    | <b>490</b>                                         | <b>1100</b>                                        | <b>53</b>                                          | <b>380</b>                                         | <b>1600</b>                           | <b>740</b>                                         |
| Toluene                             | 160                        | 800                     |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | < 0.11                                | 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                     |                      | 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                       |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | < 0.19                                | NA                                    | <b>7.9</b>                                         | NA                                    | NA                                    | < 0.19                                               | NA                                    | <b>5.3</b>                                         | <b>41</b>                                          | < 0.19                                             | <b>4.5</b>                                         | <b>2.7</b>                            | <b>11</b>                                          |
| Trichlorofluoromethane              | 698                        | 3490                    |                      | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | NA                                    | < 0.19                                | NA                                    | NA                                                 | < 0.19                                | NA                                    | < 0.19                                               | NA                                    | < 0.19                                             | < 0.95                                             | < 0.19                                             | < 0.19                                             | < 5.0                                 | < 2.0                                              |
| Vinyl chloride                      | 0.02                       | 0.2                     |                      | 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                    |                      | 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                                                 |
| 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                      |                      | 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                                                 |
| Notes on Page 68.                   |                            |                         |                      |                                       |                                       |                                       |                                       |                                       |                                       |                                       |                                       |                                                    |                                       |                                       |                                                      |                                       |                                                    |                                                    |                                                    |                                                    |                                       |                                                    |

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Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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 <sup>1</sup> | MW-21D     | MW-21D <sup>1</sup> | MW-21D <sup>1</sup> |            |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|------------|---------------------|---------------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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                |              |             | 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 | 01/27/2013 | 01/30/2013 | 02/14/2013          | 02/14/2013 | 02/28/2013          | 03/12/2013          | 04/17/2013 |
| 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      |
| 1,1,1-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        |
| 1,1,2-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      |
| 1,1-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      |
| 1,2,4-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      |
| 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      |
| 1,2-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      |
| 1,2-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      |
| 1,2-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        |
| 1,2,3-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      |
| 1,2,4-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      |
| 1,3,5-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      |
| 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           | < 0.15     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.074    | NA         | NA         | NA                  | < 0.15     | NA                  | < 0.15              | < 0.37     |
| 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     |
| 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      |
| 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      |
| 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           | < 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      |
| Chloroethane               | 80           | 400         | < 0.68     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.34     | NA         | NA         | NA                  | < 0.68     | NA                  | < 0.68              | < 1.7      |
| 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        |
| 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      |
| 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        |
| Di-isopropyl ether         | 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     |
| 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        |
| 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     |
| 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      |
| 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          | < 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      |
| 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      |
| 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      |
| 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     |
| 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          | < 0.26     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.13     | NA         | NA         | NA                  | < 0.26     | NA                  | < 0.26              | < 0.65     |
| 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          | < 0.34     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.17     | NA         | NA         | NA                  | < 0.34     | NA                  | < 0.34              | < 0.85     |
| 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     |
| 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      |
| 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      |
| Tetrachloroethene          | 0.5          | 5           | 1200       | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | 700        | NA         | NA         | NA                  | 1600       | NA                  | 1500                | 1100       |
| 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     |
| 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      |
| Trichloroethene            | 0.5          | 5           | 180        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | 23         | NA         | NA         | NA                  | 130        | NA                  | 160                 | 140        |
| 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     |
| Vinyl chloride             | 0.02         | 0.2         | 1.4        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA</       |            |            |            |            |            |            |                     |            |                     |                     |            |



**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WELL ID                    |              |             | MW-21D     | MW-21D     | MW-21D     | MW-21D     | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2      | MW-21D2 <sup>1</sup> | MW-21D2      | MW-21D2 <sup>1</sup> | MW-21D2 <sup>1</sup> |
|----------------------------|--------------|-------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|--------------|----------------------|----------------------|
| SCREEN INTERVAL (feet bgs) | PREVENTIVE   | ENFORCEMENT | 60 - 90 ft | 60 - 90 ft | 60 - 90 ft | 60 - 90 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    | 07/18/2013 | 10/10/2013 | 04/15/2014 | 10/23/2014 | 11/28/2012   | 12/16/2012   | 12/17/2012   | 12/18/2012   | 12/19/2012   | 01/02/2013   | 01/17/2013   | 01/17/2013   | 02/14/2013   | 02/14/2013   | 02/14/2013           | 02/28/2013   | 03/12/2013           | 04/17/2013           |
| VOCS                       |              |             |            |            |            |            |              |              |              |              |              |              |              |              |              |              |                      |              |                      |                      |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 1.3      | < 1.3      | < 1.3      | < 0.25     | < 1.3        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.25       | NA           | NA                   | NA           | < 1.3                | < 2.5                |
| 1,1,1-Trichloroethane      | 40           | 200         | < 1        | < 1        | < 1.0      | < 0.20     | < 1          | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.2        | NA           | NA                   | NA           | < 1                  | < 2                  |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 1.4      | < 1.4      | < 1.4      | < 0.28     | < 1.4        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | <b>1.4</b>   | NA           | NA                   | NA           | < 1.4                | < 2.8                |
| 1,1-Dichloroethene         | 0.7          | 7           | < 1.6      | < 1.6      | < 1.6      | < 0.31     | < 1.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.31       | NA           | NA                   | NA           | < 1.6                | < 3.1                |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.7      | < 0.7      | < 0.70     | < 0.14     | < 0.7        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.14       | NA           | NA                   | NA           | < 0.7                | < 1.4                |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 1.8      | < 1.8      | < 1.8      | < 0.36     | < 1.8        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.36       | NA           | NA                   | NA           | < 1.8                | < 3.6                |
| 1,2-Dichlorobenzene        | 60           | 600         | < 1.4      | < 1.4      | < 1.4      | < 0.27     | < 1.4        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.27       | NA           | NA                   | NA           | < 1.4                | < 2.7                |
| 1,2-Dichloroethane         | 0.5          | 5           | < 1.4      | < 1.4      | < 1.4      | < 0.28     | < 1.4        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.28       | NA           | NA                   | NA           | < 1.4                | < 2.8                |
| 1,2-Dichloropropane        | 0.5          | 5           | < 1        | < 1        | < 1.0      | < 0.20     | < 1          | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.2        | NA           | NA                   | NA           | < 1                  | < 2                  |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 1.2      | < 1.2      | < 1.2      | < 0.24     | < 1.2        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.24       | NA           | NA                   | NA           | < 1.2                | < 2.4                |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 1.6      | < 1.6      | < 1.6      | < 0.31     | < 1.6        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.31       | NA           | NA                   | NA           | < 1.6                | < 3.1                |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.9      | < 0.9      | < 0.90     | < 0.18     | < 0.9        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.18       | NA           | NA                   | NA           | < 0.9                | < 1.8                |
| 2-Butanone                 | 800          | 4000        | 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                   |
| 4-Methyl-2-pentanone       | 50           | 500         | 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                   |
| Benzene                    | 0.5          | 5           | < 0.37     | < 0.37     | < 0.37     | 0.33 J     | < 0.37       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | 0.25 J       | NA           | NA                   | NA           | < 0.37               | < 0.74               |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.85     | < 0.85     | < 0.85     | < 0.17     | < 0.85       | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.17       | NA           | NA                   | NA           | < 0.85               | < 1.7                |
| Bromoflorm                 | 0.44         | 4.4         | < 1.4      | < 1.4      | < 1.4      | < 0.28     | < 1.4        | NA           | NA           | NA           | NA           | NA           | NA           | NA           | < 0.28       | NA           | NA                   | NA           | < 1.4                | < 2.8                |

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**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WELL ID                   | SCREEN INTERVAL (feet bgs) | PREVENTIVE ACTION LIMIT | ENFORCEMENT STANDARD | MW-21D2<br>110 - 170 ft<br>07/18/2013 | MW-21D2<br>110 - 170 ft<br>10/15/2013 | MW-21D2<br>110 - 170 ft<br>04/15/2014 | MW-21D2 <sup>1</sup><br>110 - 170 ft<br>10/23/2014 | MW-22S<br>24 - 35 ft<br>01/15/2013 | MW-22S<br>24 - 35 ft<br>03/07/2013 | MW-22S<br>24 - 35 ft<br>04/19/2013 | MW-22S<br>24 - 35 ft<br>07/16/2013 | MW-22S<br>24 - 35 ft<br>10/10/2013 | MW-22S<br>24 - 35 ft<br>04/18/2014 | MW-22S<br>24 - 35 ft<br>10/20/2014 | MW-22S<br>24 - 35 ft<br>04/09/2015 | MW-22S<br>24 - 35 ft<br>10/20/2015 | MW-22S<br>24 - 35 ft<br>10/14/2016 | MW-22S<br>24 - 35 ft<br>10/06/2017 | MW-22S <sup>3</sup><br>24 - 35 ft<br>10/06/2017 | MW-22D<br>45 - 50 ft<br>01/15/2013 | MW-22D <sup>3</sup><br>45 - 50 ft<br>01/15/2013 | MW-22D<br>45 - 50 ft<br>03/08/2013 |
|---------------------------|----------------------------|-------------------------|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|
| VOCS                      |                            |                         |                      |                                       |                                       |                                       |                                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                 |                                    |                                                 |                                    |
| 1,1,1,2-Tetrachloroethane | 7                          | 70                      |                      | < 1.3                                 | < 0.5                                 | < 1.3                                 | < 0.25                                             | < 0.25                             | NA                                 | < 0.25                             | < 0.25                             | < 0.25                             | < 0.25                             | < 0.25                             | < 0.25                             | < 0.46                             | < 0.11                             | < 0.11                             | < 0.11                                          | < 0.25                             | < 0.25                                          | NA                                 |
| 1,1,1-Trichloroethane     | 40                         | 200                     |                      | < 1                                   | < 0.4                                 | < 1.0                                 | < 0.20                                             | < 0.2                              | NA                                 | < 0.2                              | < 0.2                              | < 0.2                              | < 0.20                             | < 0.20                             | < 0.20                             | < 0.38                             | < 0.10                             | < 0.1                              | < 0.1                                           | < 0.2                              | < 0.2                                           | NA                                 |
| 1,1,2-Trichloroethane     | 0.5                        | 5                       |                      | < 1.4                                 | < 0.56                                | < 1.4                                 | < 0.28                                             | < 0.28                             | NA                                 | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.35                             | < 0.10                             | < 0.1                              | < 0.1                                           | < 0.28                             | < 0.28                                          | NA                                 |
| 1,1-Dichloroethene        | 0.7                        | 7                       |                      | < 1.6                                 | < 0.62                                | < 1.6                                 | < 0.31                                             | 0.86 J                             | NA                                 | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.39                             | < 0.14                             | < 0.14                             | 0.14 J                                          | < 0.31                             | < 0.31                                          | NA                                 |
| 1,2,4-Trimethylbenzene    | 96                         | 480                     |                      | < 0.7                                 | < 0.28                                | < 0.70                                | < 0.14                                             | < 0.14                             | NA                                 | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.36                             | < 0.060                            | < 0.06                             | < 0.06                                          | < 0.14                             | < 0.14                                          | NA                                 |
| 1,2-Dibromoethane         | 0.005                      | 0.05                    |                      | < 1.8                                 | < 0.72                                | < 1.8                                 | < 0.36                                             | < 0.36                             | NA                                 | < 0.36                             | < 0.36                             | < 0.36                             | < 0.36                             | < 0.36                             | < 0.36                             | < 0.39                             | < 0.13                             | < 0.13                             | < 0.13                                          | < 0.36                             | < 0.36                                          | NA                                 |
| 1,2-Dichlorobenzene       | 60                         | 600                     |                      | < 1.4                                 | < 0.54                                | < 1.4                                 | < 0.27                                             | < 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                                          | < 0.27                             | < 0.27                                          | NA                                 |
| 1,2-Dichloroethane        | 0.5                        | 5                       |                      | < 1.4                                 | < 0.56                                | < 1.4                                 | < 0.28                                             | < 0.28                             | NA                                 | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.39                             | < 0.078                            | < 0.078                            | < 0.078                                         | < 0.28                             | < 0.28                                          | NA                                 |
| 1,2-Dichloropropane       | 0.5                        | 5                       |                      | < 1                                   | < 0.4                                 | < 1.0                                 | < 0.20                                             | < 0.2                              | NA                                 | < 0.2                              | < 0.2                              | < 0.2                              | < 0.20                             | < 0.20                             | < 0.20                             | < 0.43                             | < 0.10                             | < 0.1                              | < 0.1                                           | < 0.2                              | < 0.2                                           | NA                                 |
| 1,2,3-Trichlorobenzene    | NE                         | NE                      |                      | < 1.2                                 | < 0.48                                | < 1.2                                 | < 0.24                                             | < 0.24                             | NA                                 | < 0.24                             | < 0.24                             | < 0.24                             | < 0.24                             | < 0.24                             | < 0.24                             | < 0.46                             | < 0.045                            | < 0.045                            | < 0.045                                         | < 0.24                             | < 0.24                                          | NA                                 |
| 1,2,4-Trichlorobenzene    | 14                         | 70                      |                      | < 1.6                                 | < 0.62                                | < 1.6                                 | < 0.31                                             | < 0.31                             | NA                                 | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.34                             | < 0.077                            | 0.08 BJ                            | < 0.077                                         | < 0.31                             | < 0.31                                          | NA                                 |
| 1,3,5-Trimethylbenzene    | 96                         | 480                     |                      | < 0.9                                 | < 0.36                                | < 0.90                                | < 0.18                                             | < 0.18                             | NA                                 | < 0.18                             | < 0.18                             | < 0.18                             | < 0.18                             | < 0.18                             | < 0.18                             | < 0.25                             | < 0.075                            | < 0.075                            | < 0.075                                         | < 0.18                             | < 0.18                                          | NA                                 |
| 2-Butanone                | 800                        | 4000                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 3.0                              | < 3                                | < 3                                             | NA                                 | NA                                              | NA                                 |
| 2-Hexanone                | NE                         | NE                      |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 0.95                             | < 0.95                             | < 0.95                                          | NA                                 | NA                                              | NA                                 |
| 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                                          | NA                                 | NA                                              | NA                                 |
| Acetone                   | 1800                       | 9000                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 3.4                              | < 3.4                              | 11 J                                            | NA                                 | NA                                              | NA                                 |
| Benzene                   | 0.5                        | 5                       |                      | < 0.37                                | < 0.15                                | < 0.37                                | 0.24 J                                             | 1.1                                | NA                                 | < 0.074                            | < 0.074                            | < 0.074                            | < 0.074                            | < 0.074                            | < 0.074                            | < 0.15                             | < 0.089                            | < 0.089                            | < 0.089                                         | < 0.074                            | < 0.074                                         | NA                                 |
| Bromodichloromethane      | 0.06                       | 0.6                     |                      | < 0.85                                | < 0.34                                | < 0.85                                | < 0.17                                             | < 0.17                             | NA                                 | < 0.17                             | < 0.17                             | < 0.17                             | < 0.17                             | < 0.17                             | < 0.17                             | < 0.37                             | < 0.077                            | < 0.077                            | < 0.077                                         | < 0.17                             | < 0.17                                          | NA                                 |
| Bromoform                 | 0.44                       | 4.4                     |                      | < 1.4                                 | < 0.56                                | < 1.4                                 | < 0.28                                             | < 0.28                             | NA                                 | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.28                             | < 0.48                             | < 0.088                            | < 0.088                            | < 0.088                                         | < 0.28                             | < 0.28                                          | NA                                 |
| Bromomethane              | 1                          | 10                      |                      | < 1.6                                 | < 0.62                                | < 1.6                                 | < 0.31                                             | < 0.31                             | NA                                 | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31                             | < 0.31 *                           | < 0.80                             | < 0.59                             | < 0.59                             | < 0.59                                          | < 0.31                             | < 0.31                                          | NA                                 |
| Carbon disulfide          | 200                        | 1000                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 0.053                            | < 0.053                            | < 0.053                                         | NA                                 | NA                                              | NA                                 |
| Carbon tetrachloride      | 0.5                        | 5                       |                      | < 1.3                                 | < 0.52                                | < 1.3                                 | < 0.26                                             | < 0.26                             | NA                                 | < 0.26                             | < 0.26                             | < 0.26                             | < 0.26                             | < 0.26                             | < 0.26                             | < 0.38                             | < 0.038                            | < 0.038                            | < 0.038                                         | < 0.26                             | < 0.26                                          | NA                                 |
| Chloroethane              | 80                         | 400                     |                      | < 1.7                                 | < 0.68                                | < 1.7                                 | < 0.34                                             | < 0.34                             | NA                                 | < 0.34                             | < 0.34                             | < 0.34                             | < 0.34                             | < 0.34                             | < 0.34                             | < 0.47                             | < 0.25                             | < 0.25                             | < 0.25                                          | < 0.34                             | < 0.34                                          | NA                                 |
| Chloroform                | 0.6                        | 6                       |                      | < 1                                   | < 0.4                                 | < 1.0                                 | 0.81 J                                             | 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                                          | < 0.2                              | < 0.2                                           | NA                                 |
| Chloromethane             | 3                          | 30                      |                      | < 0.9                                 | < 0.36                                | < 0.90                                | < 0.18                                             | < 0.18                             | NA                                 | < 0.18                             | < 0.18                             | < 0.18                             | < 0.18                             | < 0.18                             | < 0.18                             | < 0.32                             | 0.72 J                             | 3                                  | 5.2                                             | 0.47 J                             | < 0.18                                          | NA                                 |
| cis-1,2-Dichloroethene    | 7                          | 70                      |                      | 220                                   | 110                                   |                                       | 1.3                                                | 1.8                                | NA                                 | 6.1                                | 3.8                                | 97                                 | 46                                 | 58                                 | 65                                 | 32                                 | 46                                 | 38 J-                              | 37                                              | 3.6                                | 3.3                                             | NA                                 |
| Di-isopropyl ether        | NE                         | NE                      |                      | < 0.75                                | < 0.3                                 | < 0.75                                | < 0.15                                             | < 0.15                             | NA                                 | < 0.15                             | < 0.15                             | < 0.15                             | < 0.15                             | < 0.15                             | < 0.15                             | < 0.28                             | < 0.15                             | < 0.15                             | < 0.15                                          | < 0.15                             | < 0.15                                          | NA                                 |
| Dichlorodifluoromethane   | 200                        | 1000                    |                      | < 1                                   | < 0.4                                 | < 1.0                                 | < 0.20                                             | < 0.2                              | NA                                 | < 0.2                              | < 0.2                              | < 0.2                              | < 0.20                             | < 0.20                             | < 0.20                             | < 0.54                             | < 0.11                             | < 0.11                             | < 0.11                                          | < 0.2                              | < 0.2                                           | NA                                 |
| Ethylbenzene              | 140                        | 700                     |                      | < 0.65                                | < 0.26                                | < 0.65                                | < 0.13                                             | 0.50                               | NA                                 | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.18                             | < 0.054                            | < 0.054                            | < 0.054                                         | < 0.13                             | < 0.13                                          | NA                                 |
| Isopropylbenzene          | NE                         | NE                      |                      | < 0.7                                 | < 0.28                                | < 0.70                                | < 0.14                                             | < 0.14                             | NA                                 | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.39                             | < 0.081                            | < 0.081                            | < 0.081                                         | < 0.14                             | < 0.14                                          | NA                                 |
| m,p-Xylene                | 400                        | 2000                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 0.057                            | < 0.057                            | < 0.057                                         | NA                                 | NA                                              | NA                                 |
| Methyl tert-butyl ether   | 12                         | 60                      |                      | < 1.2                                 | < 0.48                                | < 1.2                                 | < 0.24                                             | < 0.24                             | NA                                 | < 0.24                             | < 0.24                             | < 0.24                             | < 0.24                             | < 0.24 *                           | < 0.24                             | < 0.39                             | < 0.14                             | < 0.14                             | < 0.14                                          | < 0.24                             | < 0.24                                          | NA                                 |
| Methylene chloride        | 0.5                        | 5                       |                      | < 3.4                                 | < 1.4                                 | < 3.4                                 | < 0.68                                             | < 0.68                             | NA                                 | < 0.68                             | < 0.68                             | < 0.68                             | < 0.68                             | < 0.68                             | < 0.68                             | < 1.6                              | < 0.14                             | < 0.14                             | < 0.14                                          | < 0.68                             | < 0.68                                          | NA                                 |
| Naphthalene               | 10                         | 100                     |                      | < 0.8                                 | < 0.32                                | < 0.80                                | < 0.16                                             | < 0.16                             | NA                                 | < 0.16                             | < 0.16                             | < 0.16                             | < 0.16                             | < 0.16                             | < 0.16                             | < 0.34                             | < 0.088                            | < 0.088                            | < 0.088                                         | < 0.16                             | < 0.16                                          | NA                                 |
| n-Butylbenzene            | NE                         | NE                      |                      | < 0.65                                | < 0.26                                | < 0.65                                | < 0.13                                             | < 0.13                             | NA                                 | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.39                             | < 0.14                             | < 0.14                             | < 0.14                                          | < 0.13                             | < 0.13                                          | NA                                 |
| n-Hexane                  | 120                        | 600                     |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 0.21                             | < 0.21                             | < 0.21                                          | NA                                 | NA                                              | NA                                 |
| n-Propylbenzene           | NE                         | NE                      |                      | < 0.65                                | < 0.26                                | < 0.65                                | < 0.13                                             | < 0.13                             | NA                                 | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.13                             | < 0.41                             | < 0.10                             | < 0.1                              | < 0.1                                           | < 0.13                             | < 0.13                                          | NA                                 |
| o-Xylene                  | 400                        | 2000                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | NA                                 | < 0.058                            | < 0.058                            | < 0.058                                         | NA                                 | NA                                              | NA                                 |
| p-Isopropyltoluene        | NE                         | NE                      |                      | < 0.85                                | < 0.34                                | < 0.85                                | < 0.17                                             | < 0.17                             | NA                                 | < 0.17                             | < 0.17                             | < 0.17                             | < 0.17                             | < 0.17                             | < 0.17                             | < 0.36                             | < 0.085                            | < 0.085                            | < 0.085                                         | < 0.17                             | < 0.17                                          | NA                                 |
| sec-Butylbenzene          | NE                         | NE                      |                      | < 0.75                                | < 0.3                                 | < 0.75                                | < 0.15                                             | < 0.15                             | NA                                 | < 0.15                             | < 0.15                             | < 0.15                             | < 0.15                             | < 0.15                             | < 0.15                             | < 0.40                             | < 0.13                             | < 0.13                             | < 0.13                                          | < 0.15                             | < 0.15                                          | NA                                 |
| Styrene                   | 10                         | 100                     |                      | < 0.5                                 | < 0.2                                 | < 0.50                                | < 0.10                                             | < 0.1                              | NA                                 | < 0.1                              | < 0.1                              | < 0.1                              | < 0.10                             | < 0.10                             | < 0.10                             | < 0.39                             | < 0.065                            | < 0.065                            | < 0.065                                         | < 0.1                              | < 0.1                                           | NA                                 |
| tert-Butylbenzene         | NE                         | NE                      |                      | < 0.7                                 | < 0.28                                | < 0.70                                | < 0.14                                             | < 0.14                             | NA                                 | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.14                             | < 0.40                             | < 0.12                             | < 0.12                             | < 0.12                                          | < 0.14                             | < 0.14                                          | NA                                 |
| Tetrachloroethene         | 0.5                        | 5                       |                      | 2500                                  | 1500                                  | 1900                                  | 930                                                | 180                                | NA                                 | 160                                | 210                                | 13                                 | 23                                 | 61                                 | 17                                 | 30                                 | 18                                 | 24 BJ                              | 23 B                                            | 520                                | 470                                             | NA                                 |
| Toluene                   | 160                        | 800                     |                      | < 0.55                                | < 0.22                                | < 0.55                                | < 0.11                                             | 1.7                                | NA                                 | < 0.11                             | < 0.11                             | < 0.11                             | < 0.11                             | < 0.11                             | < 0.11                             | < 0.15                             | 0.12 J                             | < 0.053                            | < 0.053                                         | < 0.11                             | < 0.11                                          | NA                                 |
| trans-1,2-Dichloroethene  | 20                         | 100                     |                      | < 1.3                                 | < 0.5                                 | < 1.3                                 | < 0.25                                             | < 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                                          | < 0.25                             | < 0.25                                          | NA                                 |
| Trichloroethene           | 0.5                        | 5                       |                      | 210                                   | 120                                   | 130                                   | 3.3                                                | 4.8                                | NA                                 | 5.4                                | 8.5                                | 6.1                                | 4.2                                | 7.1                                | 2.9                                | 4.1                                | 9.8                                | 9.4                                | 9.1                                             | 5.8                                | 6                                               | NA                                 |
| Trichlorofluoromethane    | 698                        | 3490                    |                      | < 0.95                                | < 0.38                                | < 5.0                                 | < 1.0                                              | < 0.19                             | NA                                 | < 0.19                             | < 0.19                             | < 0.19                             | < 1.0                              | < 1.0                              | < 1.0                              | < 1.0                              | < 0.50                             | < 0.5                              | < 0.5                                           | < 0.19                             | < 0.19                                          | NA                                 |
| Vinyl chloride            | 0.02                       | 0.2                     |                      | < 0.5                                 | < 0.2                                 | < 0.50                                | < 0.10                                             | < 0.1                              | NA                                 | < 0.1                              | < 0.1                              | < 0.1                              | < 0.10                             | < 0.10                             | < 0.10                             | < 0.20                             | 0.40 J                             | 0.85                               | 0.8                                             | < 0.1                              | < 0.1                                           | NA                                 |
| Xylenes, Total            | 400                        | 2000                    |                      | < 0.34                                | < 0.14                                | < 0.34                                | < 0.068                                            | 1.5                                | NA                                 | < 0.068                            | < 0.068                            | < 0.068                            | < 0.068                            | < 0.068                            | < 0.068                            | < 0.22                             | < 0.058                            | < 0.12                             | < 0.12                                          | < 0.068                            | < 0.068                                         | NA                                 |
| Total PCBs                |                            |                         |                      |                                       |                                       |                                       |                                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                 |                                    |                                                 |                                    |
| Aroclor-1016              | 0.003                      | 0.03                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | 12                                 | < 0.033                            | 4                                  | < 0.064                            | < 0.064                            | < 0.065                            | NA                                 | NA                                 | NA                                 | NA                                 | < 0.035                            | < 0.035                                         | 2.4                                | NA                                              | < 0.033                            |
| Aroclor-1232              | 0.003                      | 0.03                    |                      | NA                                    | NA                                    | NA                                    | NA                                                 | < 0.49                             | 13                                 | < 0.19                             | < 0.19                             | < 0.19                             | < 0.20                             | NA                                 | NA                                 | NA                                 | NA                                 | < 0.037                            | < 0.037                                         | < 0.092                            | NA                                              | 2.6                                |
| Aroclor-1242              | 0.003                      | 0.03                    |                      | NA                                    | NA                                    | NA                                    |                                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                 |                                    |                                                 |                                    |

Notes on Page 68.

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

| WEL ID                     |       |      | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D <sup>3</sup> | MW-22D     | MW-22D     | MW-22D        |            |       |
|----------------------------|-------|------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|------------|---------------|------------|-------|
| SCREEN INTERVAL (feet bgs) |       |      | 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 | 45 - 50 ft    |            |       |
| SAMPLE DATE                |       |      | 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          | 10/20/2014 | 04/09/2015          | 04/09/2015 | 06/10/2015          | 07/20/2015 | 10/16/2015          | 10/20/2015 | 01/22/2016 | 04/12/2016    |            |       |
| ACTION LIMIT               |       |      | 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          | 10/20/2014 | 04/09/2015          | 04/09/2015 | 06/10/2015          | 07/20/2015 | 10/16/2015          | 10/20/2015 | 01/22/2016 | 04/12/2016    |            |       |
| STANDARD                   |       |      | 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          | 10/20/2014 | 04/09/2015          | 04/09/2015 | 06/10/2015          | 07/20/2015 | 10/16/2015          | 10/20/2015 | 01/22/2016 | 04/12/2016    |            |       |
| ENFORCEMENT                |       |      | 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          | 10/20/2014 | 04/09/2015          | 04/09/2015 | 06/10/2015          | 07/20/2015 | 10/16/2015          | 10/20/2015 | 01/22/2016 | 04/12/2016    |            |       |
| PREVENTIVE                 |       |      | 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          | 10/20/2014 | 04/09/2015          | 04/09/2015 | 06/10/2015          | 07/20/2015 | 10/16/2015          | 10/20/2015 | 01/22/2016 | 04/12/2016    |            |       |
| 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     | NA                  | NA         | < 0.46              | < 0.46     | < 0.11     | < 2.2         |            |       |
| 1,1,1-Trichloroethane      | 40    | 200  | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.20              | < 0.20     | < 0.20              | < 0.20     | < 0.20              | < 0.20     | NA                  | NA         | < 0.38              | < 0.38     | < 0.10     | < 2.0         |            |       |
| 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     | NA                  | NA         | < 0.35              | < 0.35     | < 0.10     | < 2.0         |            |       |
| 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     | NA                  | NA         | < 0.39              | < 0.39     | < 0.14     | < 2.8         |            |       |
| 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     | NA                  | NA         | < 0.36              | < 0.36     | < 0.060    | < 1.2         |            |       |
| 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     | NA                  | NA         | < 0.39              | < 0.39     | < 0.13     | < 2.6         |            |       |
| 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     | NA                  | NA         | < 0.33              | < 0.33     | < 0.076    | < 1.5         |            |       |
| 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     | NA                  | NA         | < 0.39              | < 0.39     | < 0.078    | < 1.6         |            |       |
| 1,2-Dichloropropane        | 0.5   | 5    | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.20              | < 0.20     | < 0.20              | < 0.20     | < 0.20              | < 0.20     | NA                  | NA         | < 0.43              | < 0.43     | < 0.10     | < 2.0         |            |       |
| 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     | NA                  | NA         | < 0.46              | < 0.46     | < 0.045    | < 0.90        |            |       |
| 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     | NA                  | NA         | < 0.34              | < 0.34     | < 0.077    | < 1.5         |            |       |
| 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     | NA                  | NA         | < 0.25              | < 0.25     | < 0.075    | < 1.5         |            |       |
| 2-Butanone                 | 800   | 4000 | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 3.0      | < 60          |            |       |
| 2-Hexanone                 | NE    | NE   | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 0.95     | < 19          |            |       |
| 4-Methyl-2-pentanone       | 50    | 500  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 0.77     | < 15          |            |       |
| Acetone                    | 1800  | 9000 | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 3.4      | < 17          |            |       |
| Benzene                    | 0.5   | 5    | < 0.074    | < 0.074             | < 0.074    | < 0.074             | < 0.074    | < 0.074             | < 0.074    | < 0.074             | < 0.074    | < 0.074             | 0.47 J     | < 0.074             | NA         | NA                  | NA         | NA                  | < 0.15     | < 0.15     | < 0.089       |            |       |
| 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     | NA                  | NA         | < 0.37              | < 0.37     | < 0.077    | < 1.5         |            |       |
| 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     | NA                  | NA         | < 0.48              | < 0.48     | < 0.088    | < 1.8         |            |       |
| 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     | NA                  | NA         | < 0.80              | < 0.80     | < 0.59     | < 12          |            |       |
| Carbon disulfide           | 200   | 1000 | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 0.053    | 9.2 J         |            |       |
| 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     | NA                  | NA         | < 0.38              | < 0.38     | < 0.038    | < 0.76        |            |       |
| Chloroethane               | 80    | 400  | < 0.34     | < 0.34              | < 0.34     | < 0.34              | < 0.34     | < 0.34              | < 0.34     | < 0.34              | < 0.34     | < 0.34              | < 0.34     | < 0.34              | < 0.34     | NA                  | NA         | < 0.47              | < 0.47     | < 0.25     | < 5.0         |            |       |
| Chloroform                 | 0.6   | 6    | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.20              | < 0.20     | < 0.20              | < 0.20     | < 0.20              | < 0.20     | NA                  | NA         | < 0.37              | < 0.37     | 0.36 J     | <b>2.4 BJ</b> |            |       |
| 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     | NA                  | NA         | < 0.32              | < 0.32     | < 0.16     | < 3.2         |            |       |
| cis-1,2-Dichloroethene     | 7     | 70   | 4.9        | 4.9                 | 3.7        | 3.7                 | < 0.12     | 4.2                 | 2.5        | 3.7                 | 4.2        | 4.9                 | 4.0        | 4.4                 | 4.4        | NA                  | NA         | 3.9                 | 3.9        | 3.6 J      | 3.8           |            |       |
| Di-isopropyl ether         | 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     | NA                  | NA         | < 0.28              | < 0.28     | < 0.15     | < 3.0         |            |       |
| Dichlorodifluoromethane    | 200   | 1000 | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.2               | < 0.2      | < 0.20              | < 0.20     | < 0.20              | < 0.20     | < 0.20              | < 0.20     | NA                  | NA         | < 0.54              | < 0.54     | < 0.11     | < 2.2         |            |       |
| 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     | NA                  | NA         | < 0.18              | < 0.18     | < 0.054    | < 1.1         |            |       |
| 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     | NA                  | NA         | < 0.39              | < 0.39     | < 0.081    | < 1.6         |            |       |
| m,p-Xylene                 | 400   | 2000 | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 0.057    | < 1.1         |            |       |
| 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     | NA                  | NA         | < 0.39              | < 0.39     | < 0.14     | < 2.8         |            |       |
| 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              | <b>6.6</b> | <b>7.1</b>          | < 0.68     | < 0.68              | NA         | NA                  | < 1.6      | < 1.6      | < 0.14        | < 2.8      |       |
| 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     | NA                  | NA         | < 0.34              | < 0.34     | < 0.088    | < 1.8         |            |       |
| 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     | NA                  | NA         | < 0.39              | < 0.39     | < 0.14     | < 2.8         |            |       |
| n-Hexane                   | 120   | 600  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 0.21     | < 4.2         |            |       |
| 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     | NA                  | NA         | < 0.41              | < 0.41     | < 0.10     | < 2.0         |            |       |
| o-Xylene                   | 400   | 2000 | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | NA                  | NA         | < 0.058    | < 1.2         |            |       |
| 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     | NA                  | NA         | < 0.36              | < 0.36     | < 0.085    | < 1.7         |            |       |
| 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     | NA                  | NA         | < 0.40              | < 0.40     | < 0.13     | < 2.6         |            |       |
| Styrene                    | 10    | 100  | < 0.1      | < 0.1               | < 0.1      | < 0.1               | < 0.1      | < 0.1               | < 0.1      | < 0.10              | < 0.10     | < 0.10              | < 0.10     | < 0.10              | < 0.10     | NA                  | NA         | < 0.39              | < 0.39     | < 0.065    | < 1.3         |            |       |
| 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     | NA                  | NA         | < 0.40              | < 0.40     | < 0.12     | < 2.4         |            |       |
| Tetrachloroethene          | 0.5   | 5    | <b>450</b> | <b>430</b>          | <b>270</b> | <b>310</b>          | <b>190</b> | <b>190</b>          | <b>430</b> | <b>450</b>          | <b>250</b> | <b>270</b>          | <b>170</b> | <b>190</b>          | NA         | NA                  | NA         | NA                  | <b>140</b> | <b>160</b> | <b>220</b>    | <b>140</b> |       |
| Toluene                    | 160   | 800  | < 0.11     | < 0.11              | 0.37 J     | 0.38 J              | < 0.11     | < 0.11              | < 0.11     | < 0.11              | < 0.11     | < 0.11              | < 0.11     | < 0.11              | < 0.11     | NA                  | NA         | NA                  | NA         | < 0.15     | < 0.15        | < 0.053    | < 1.1 |
| 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     | NA                  | NA         | < 0.35              | < 0.35     | 0.23 J     | < 2.2         |            |       |
| Trichloroethene            | 0.5   | 5    | <b>5.8</b> | <b>5.7</b>          | <b>5</b>   | <b>5.3</b>          | <b>4.9</b> | <b>5.3</b>          | <b>6.8</b> | <b>6.7</b>          | <b>5.7</b> | <b>6</b>            |            |                     |            |                     |            |                     |            |            |               |            |       |

\\madison-vfp\Records\I-WPMSN\PJT2\638916\0000\000002\000003\Files for R-001\Appendix E - April and October 2024 Groundwater Monitoring Laboratory Analytical Reports and Historical Summary Table\24SA2 T5\_GW Summary.xls

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-22D         | MW-22D        | MW-22D       | MW-22D <sup>3</sup> | MW-23S      | MW-23S     | MW-23S     | MW-23S     | MW-23S     | MW-23S     | MW-23S     | MW-23S     | MW-23S     | MW-23S     | MW-23S <sup>3</sup> | MW-23S     | MW-23S <sup>3</sup> | MW-23D       | MW-23D     |            |
|----------------------------|--------------|-------------|----------------|---------------|--------------|---------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|------------|---------------------|--------------|------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 45 - 50 ft     | 45 - 50 ft    | 45 - 50 ft   | 45 - 50 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          | 45 - 50 ft   | 45 - 50 ft |            |
| SAMPLE DATE                |              |             | 1/20/2017      | 04/11/2017    | 10/06/2017   | 10/06/2017          | 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   | 01/14/2013 | 03/08/2013 |
| <b>VOCs</b>                |              |             |                |               |              |                     |             |            |            |            |            |            |            |            |            |            |                     |            |                     |              |            |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.55         | < 0.55        | < 0.55       | < 0.55              | < 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       | < 0.25     | NA         |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.50         | < 0.50        | < 0.5        | < 0.5               | < 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        | < 0.2      | NA         |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.50         | < 0.50        | < 0.5        | < 0.5               | < 0.28      | < 0.28     | < 0.28     | < 0.28     | NA         | <b>1.8</b> | < 0.28     | < 0.28     | < 0.28     | < 0.35     | < 0.40              | < 0.20     | < 0.2               | < 0.5        | < 0.28     | NA         |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.70         | < 0.70        | < 0.7        | < 0.7               | < 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        | < 0.31     | NA         |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.30         | < 0.30        | < 0.3        | < 0.3               | < 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        | < 0.14     | NA         |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.65         | < 0.65        | < 0.65       | < 0.65              | < 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       | < 0.36     | NA         |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.38         | < 0.38        | < 0.38       | < 0.38              | < 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       | < 0.27     | NA         |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.39         | < 0.39        | < 0.39       | < 0.39              | < 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       | < 0.28     | NA         |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.50         | < 0.50        | < 0.5        | < 0.5               | < 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        | < 0.2      | NA         |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.23         | < 0.23        | < 0.23       | < 0.23              | < 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       | < 0.24     | NA         |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.39         | < 0.39        | < 0.39       | < 0.39              | < 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       | < 0.31     | NA         |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.38         | < 0.38        | < 0.38       | < 0.38              | < 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       | < 0.18     | NA         |
| 2-Butanone                 | 800          | 4000        | < 15           | < 15          | < 15         | < 15                | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 12                | < 6.0      | < 6                 | < 15         | NA         | NA         |
| 2-Hexanone                 | NE           | NE          | < 4.8          | < 4.8         | < 4.8        | < 4.8               | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.8               | < 1.9      | < 1.9               | < 4.8        | NA         | NA         |
| 4-Methyl-2-pentanone       | 50           | 500         | < 3.9          | < 3.9         | < 3.9        | < 3.9               | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.1               | < 1.5      | < 1.5               | < 3.9        | NA         | NA         |
| Acetone                    | 1800         | 9000        | < 17           | 38 BJ         | < 17         | < 17                | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 14                | < 6.8      | 14 J                | < 17         | NA         | NA         |
| Benzene                    | 0.5          | 5           | < 0.45         | <b>0.80 J</b> | < 0.45       | < 0.45              | <b>0.73</b> | < 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       | 0.32 J     | NA         |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.39         | < 0.39        | < 0.39       | < 0.39              | < 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       | < 0.17     | NA         |
| Bromoform                  | 0.44         | 4.4         | < 0.44         | < 0.44        | < 0.44       | < 0.44              | < 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       | < 0.28     | NA         |
| Bromomethane               | 1            | 10          | < 3.0          | < 3.0         | < 3          | < 3                 | < 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          | < 0.31     | NA         |
| Carbon disulfide           | 200          | 1000        | < 0.27         | 2.3 J         | NA           | < 0.27              | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.21              | < 0.11     | < 0.11              | < 0.27       | NA         | NA         |
| Carbon tetrachloride       | 0.5          | 5           | < 0.19         | < 0.19        | < 0.19       | < 0.19              | < 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       | < 0.26     | NA         |
| Chloroethane               | 80           | 400         | < 1.3          | < 1.3         | < 1.3        | < 1.3               | < 0.34      | < 0.34     | < 0.34     | < 0.34     | NA         | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.47     | < 1.0               | < 0.50     | < 0.5               | < 1.3        | < 0.34     | NA         |
| Chloroform                 | 0.6          | 6           | 0.40 BJ        | <b>1.1 J</b>  | < 0.31       | < 0.31              | < 0.2       | < 0.2      | < 0.2      | < 0.2      | NA         | < 0.2      | < 0.2      | < 0.20     | < 0.20     | < 0.37     | < 0.25              | < 0.12     | < 0.12              | < 0.31       | < 0.2      | NA         |
| Chloromethane              | 3            | 30          | < 0.80         | 2.8 J+        | < 0.8        | <b>4.9 J</b>        | 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        | < 0.18     | NA         |
| cis-1,2-Dichloroethene     | 7            | 70          | <b>14</b>      | <b>26</b>     | <b>47</b>    | <b>47</b>           | < 0.12      | 3.7        | <b>29</b>  | <b>27</b>  | NA         | <b>16</b>  | <b>16</b>  | <b>19</b>  | <b>20</b>  | <b>9.6</b> | <b>12</b>           | <b>15</b>  | <b>33</b>           | <b>33</b>    | < 0.12     | NA         |
| Di-isopropyl ether         | NE           | NE          | < 0.75         | < 0.75        | < 0.75       | < 0.75              | < 0.15      | < 0.15     | < 0.15     | < 0.15     | NA         | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.28     | < 0.60              | < 0.30     | < 0.3               | < 0.75       | < 0.15     | NA         |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.55         | < 0.55        | < 0.55       | < 0.55              | < 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       | < 0.2      | NA         |
| Ethylbenzene               | 140          | 700         | < 0.27         | < 0.27        | < 0.27       | < 0.27              | 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       | 0.20 J     | NA         |
| Isopropylbenzene           | NE           | NE          | < 0.41         | < 0.41        | < 0.41       | < 0.41              | < 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       | < 0.14     | NA         |
| m,p-Xylene                 | 400          | 2000        | < 0.29         | < 0.29        | < 0.29       | < 0.29              | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.23              | < 0.11     | < 0.11              | < 0.29       | NA         | NA         |
| Methyl tert-butyl ether    | 12           | 60          | < 0.70         | < 0.70        | < 0.7        | < 0.7               | < 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        | < 0.24     | NA         |
| Methylene chloride         | 0.5          | 5           | <b>1.3 B J</b> | < 0.70        | < 0.7        | < 0.7               | < 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        | < 0.68     | NA         |
| Naphthalene                | 10           | 100         | < 0.44         | 1.6 BJ        | < 0.44       | < 0.44              | < 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      | < 0.16     | NA         |
| n-Butylbenzene             | NE           | NE          | < 0.70         | < 0.70        | < 0.7        | < 0.7               | < 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        | < 0.13     | NA         |
| n-Hexane                   | 120          | 600         | < 1.1          | < 1.1         | < 1.1        | < 1.1               | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.84              | < 0.42     | < 0.42              | < 1.1        | NA         | NA         |
| n-Propylbenzene            | NE           | NE          | < 0.50         | < 0.50        | < 0.5        | < 0.5               | < 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        | < 0.13     | NA         |
| o-Xylene                   | 400          | 2000        | < 0.29         | < 0.29        | < 0.29       | < 0.29              | NA          | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.23              | < 0.12     | < 0.12              | < 0.29       | NA         | NA         |
| p-Isopropyltoluene         | NE           | NE          | < 0.43         | < 0.43        | < 0.43       | < 0.43              | < 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       | < 0.17     | NA         |
| sec-Butylbenzene           | NE           | NE          | < 0.65         | < 0.65        | < 0.65       | < 0.65              | < 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       | < 0.15     | NA         |
| Styrene                    | 10           | 100         | < 0.33         | < 0.33        | < 0.33       | 0.35 BJ             | < 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      | < 0.1      | NA         |
| tert-Butylbenzene          | NE           | NE          | < 0.60         | < 0.60        | < 0.6        | < 0.6               | < 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        | < 0.14     | NA         |
| Tetrachloroethene          | 0.5          | 5           | <b>120</b>     | <b>120</b>    | <b>120 B</b> | <b>120 B</b>        | <b>290</b>  | <b>580</b> | <b>420</b> | <b>240</b> | NA         | <b>130</b> | <b>210</b> | <b>190</b> | <b>190</b> | <b>360</b> | <b>66</b>           | <b>88</b>  | <b>120 B</b>        | <b>120 B</b> | <b>100</b> | NA         |
| Toluene                    | 160          | 800         | 0.50 BJ        | 0.80 J        | < 0.27       | < 0.27              | 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       | 0.60       | NA         |
| trans-1,2-Dichloroethene   | 20           | 100         | 0.70 J         | 1.3 J         | 2.3 J        | 2.5 J               | < 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       | < 0.25     | NA         |
| Trichloroethene            | 0.5          | 5           | <b>5.2 B</b>   | <b>6.3</b>    | <b>9.4</b>   | <b>9.4</b>          | <b>0.64</b> | <b>1.4</b> | <b>20</b>  | <b>17</b>  | NA         | <b>15</b>  | <b>11</b>  | <b>11</b>  | <b>10</b>  | <b>5.9</b> | <b>7.2</b>          | <b>9.1</b> | <b>7.8</b>          | <b>7.6</b>   | < 0.19     | NA         |
| Trichlorofluoromethane     | 698          | 3490        | < 2.5          | < 2.5         | < 2.5        | < 2.5               | < 0.19      | < 0.19     | < 0.19     | &          |            |            |            |            |            |            |                     |            |                     |              |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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 <sup>3</sup> | MW-23D       | MW-23D <sup>3</sup> | MW-24      | MW-24      | MW-24      |
|----------------------------|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|---------------|------------|------------|---------------|--------------|---------------------|--------------|---------------------|------------|------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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          | 30 - 40 ft | 30 - 40 ft | 30 - 40 ft |
| SAMPLE DATE                |              |             | 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          | 04/29/2013 | 07/19/2013 | 10/08/2013 |
| <b>VOCs</b>                |              |             |            |            |            |            |            |            |            |            |               |               |            |            |               |              |                     |              |                     |            |            |            |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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              | < 0.25     | < 0.25     | < 0.25     |
| 1,1,1-Trichloroethane      | 40           | 200         | < 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               | < 0.2      | < 0.2      | < 0.2      |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 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               | < 0.28     | < 0.28     | < 0.28     |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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               | < 0.31     | < 0.31     | < 0.31     |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 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               | < 0.14     | < 0.14     | < 0.14     |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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              | < 0.36     | < 0.36     | < 0.36     |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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              | < 0.27     | < 0.27     | < 0.27     |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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              | < 0.28     | < 0.28     | < 0.28     |
| 1,2-Dichloropropane        | 0.5          | 5           | < 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               | < 0.2      | < 0.2      | < 0.2      |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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              | < 0.24     | < 0.24     | < 0.24     |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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              | < 0.31     | < 0.31     | < 0.31     |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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              | < 0.18     | < 0.18     | < 0.18     |
| 2-Butanone                 | 800          | 4000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.0         | < 60          | < 15       | < 3.0      | < 30          | < 30         | < 3.0               | < 15         | < 15                | NA         | NA         | NA         |
| 2-Hexanone                 | NE           | NE          | 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               | NA         | NA         | NA         |
| 4-Methyl-2-pentanone       | 50           | 500         | 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               | NA         | NA         | NA         |
| Acetone                    | 1800         | 9000        | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 3.4         | < 68          | < 17       | < 3.4      | < 34          | < 34         | 9.6 BJ              | < 17         | < 17                | NA         | NA         | NA         |
| Benzene                    | 0.5          | 5           | < 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              | < 0.074    | < 0.074    | < 0.074    |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.17     | NA         | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.17     | < 0.37     | < 0.077       | < 1.5         | < 0.39     | < 0.077    | < 0.77        | < 0.77       | < 0.077             | < 0.39       | < 0.39              | < 0.17     | < 0.17     | < 0.17     |
| Bromoform                  | 0.44         | 4.4         | < 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              | < 0.28     | < 0.28     | < 0.28     |
| Bromomethane               | 1            | 10          | < 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                 | < 0.31     | < 0.31     | < 0.31     |
| Carbon disulfide           | 200          | 1000        | 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              | NA         | NA         | NA         |
| Carbon tetrachloride       | 0.5          | 5           | < 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              | < 0.26     | < 0.26     | < 0.26     |
| Chloroethane               | 80           | 400         | < 0.34     | NA         | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.34     | < 0.47     | < 0.25        | < 5.0         | < 1.3      | < 0.25     | < 2.5         | < 2.5        | < 0.25              | < 1.3        | < 1.3               | < 0.34     | < 0.34     | < 0.34     |
| Chloroform                 | 0.6          | 6           | < 0.2      | NA         | < 0.2      | < 0.2      | < 0.20     | < 0.20     | < 0.20     | < 0.37     | < 0.062       | <b>2.2 BJ</b> | < 0.31     | < 0.062    | <b>1.1 BJ</b> | <b>1.1 J</b> | < 0.062             | < 0.31       | < 0.31              | < 0.2      | < 0.2      | < 0.2      |
| Chloromethane              | 3            | 30          | < 0.18     | NA         | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.18     | < 0.32     | < 0.16        | < 3.2         | < 0.80     | < 0.16     | <b>3.2 BJ</b> | < 1.6        | < 0.16              | 1.5 J        | <b>4.3 J</b>        | < 0.18     | < 0.18     | < 0.18     |
| cis-1,2-Dichloroethene     | 7            | 70          | < 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              | < 0.12     | < 0.12     | < 0.12     |
| Di-isopropyl ether         | NE           | NE          | < 0.15     | NA         | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.15     | < 0.28     | < 0.15        | < 3.0         | < 0.75     | < 0.15     | < 1.5         | < 1.5        | < 0.15              | < 0.75       | < 0.75              | < 0.15     | < 0.15     | < 0.15     |
| Dichlorodifluoromethane    | 200          | 1000        | < 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              | < 0.2      | < 0.2      | < 0.2      |
| Ethylbenzene               | 140          | 700         | < 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              | < 0.13     | 0.31 J     | < 0.13     |
| Isopropylbenzene           | NE           | NE          | < 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              | < 0.14     | < 0.14     | < 0.14     |
| m,p-Xylene                 | 400          | 2000        | 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              | NA         | NA         | NA         |
| Methyl tert-butyl ether    | 12           | 60          | < 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               | < 0.24     | < 0.24     | < 0.24     |
| Methylene chloride         | 0.5          | 5           | < 0.68     | NA         | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 0.68     | < 1.6      | <b>0.57 J</b> | < 2.8         | < 0.70     | < 0.14     | <b>1.8 BJ</b> | < 1.4        | < 0.14              | < 0.7        | < 0.7               | < 0.68     | < 0.68     | < 0.68     |
| Naphthalene                | 10           | 100         | < 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              | < 0.16     | < 0.16     | < 0.16     |
| n-Butylbenzene             | NE           | NE          | < 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               | < 0.13     | < 0.13     | < 0.13     |
| n-Hexane                   | 120          | 600         | 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               | NA         | NA         | NA         |
| n-Propylbenzene            | NE           | NE          | < 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               | < 0.13     | < 0.13     | < 0.13     |
| o-Xylene                   | 400          | 2000        | 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              | NA         | NA         | NA         |
| p-Isopropyltoluene         | NE           | NE          | < 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              | < 0.17     | < 0.17     | < 0.17     |
| sec-Butylbenzene           | NE           | NE          | < 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              | < 0.15     | < 0.15     | < 0.15     |
| Styrene                    | 10           | 100         | < 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              | < 0.1      | < 0.1      | < 0.1      |
| tert-Butylbenzene          | NE           | NE          | < 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               | < 0.14     | < 0.14     | < 0.14     |
| Tetrachloroethene          | 0.5          | 5           | <b>86</b>  | NA         | <b>170</b> | <b>160</b> | <b>190</b> | <b>190</b> | <b>220</b> | <b>84</b>  | <b>170</b>    | <b>130</b>    | <b>160</b> | <b>160</b> | <b>140</b>    | <b>140</b>   | <b>140</b>          | <b>130 B</b> | <b>130 B</b>        | <b>3</b>   | <b>3</b>   | <b>3.3</b> |
| Toluene                    | 160          | 800         | < 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              | < 0.11     | < 0.11     | < 0.11     |
| trans-1,2-Dichloroethene   | 20           | 100         | < 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              | < 0.25     | < 0.25     | < 0.25     |
|                            |              |             |            |            |            |            |            |            |            |            |               |               |            |            |               |              |                     |              |                     |            |            |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-24      | MW-25D       | MW-25D <sup>3</sup> | MW-25D       | MW-25D       | MW-25D       | MW-25D       | MW-25D       | MW-25D     |
|----------------------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|------------|
| SCREEN INTERVAL (feet bgs) | ACTION     | STANDARD    | 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 | 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 |            |
| SAMPLE DATE                | LIMIT      |             | 04/17/2014 | 10/14/2014 | 10/09/2017 | 04/05/2018 | 10/15/2018 | 04/09/2019 | 10/15/2019 | 7/16/2020  | 10/19/2020 | 04/16/2021 | 10/14/2021 | 04/28/2022 | 05/06/2013   | 05/06/2013          | 07/19/2013   | 10/09/2013   | 04/21/2014   | 07/09/2014   | 08/26/2014   | 10/20/2014 |
| VOCs                       |            |             |            |            |            |            |            |            |            |            |            |            |            |            |              |                     |              |              |              |              |              |            |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 0.25     | < 0.25     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.25       | < 0.25              | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       |            |
| 1,1,1-Trichloroethane      | 40         | 200         | < 0.20     | < 0.20     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.2        | < 0.2               | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |            |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 0.28     | < 0.28     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.36       | < 0.36              | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.36       |            |
| 1,2-Dichlorobenzene        | 60         | 600         | < 0.27     | < 0.27     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.28       | < 0.28              | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       |            |
| 1,2-Dichloropropane        | 0.5        | 5           | < 0.20     | < 0.20     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.2        | < 0.2               | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |            |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 0.24     | < 0.24     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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                  | 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           | < 0.074    | < 0.074    | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.074      | < 0.074             | < 0.074      | < 0.074      | < 0.074      | < 0.074      | < 0.074      |            |
| Bromodichloromethane       | 0.06       | 0.6         | < 0.17     | < 0.17     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.17       | < 0.17              | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       |            |
| Bromoform                  | 0.44       | 4.4         | < 0.28     | < 0.28     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.28       | < 0.28              | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       |            |
| Bromomethane               | 1          | 10          | < 0.31     | < 0.31 *   | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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                  | NA           | NA           | NA           | NA           | NA           |            |
| Carbon tetrachloride       | 0.5        | 5           | < 0.26     | < 0.26     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.26       | < 0.26              | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       |            |
| Chloroethane               | 80         | 400         | < 0.34     | < 0.34     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.34       | < 0.34              | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       |            |
| Chloroform                 | 0.6        | 6           | < 0.20     | < 0.20     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.2        | < 0.2               | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |            |
| Chloromethane              | 3          | 30          | < 0.18     | < 0.18     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.18       | < 0.18              | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       |            |
| cis-1,2-Dichloroethene     | 7          | 70          | < 0.12     | < 0.12     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.12       | < 0.12              | < 0.12       | < 0.12       | < 0.12       | < 0.12       | < 0.12       |            |
| Di-isopropyl ether         | NE         | NE          | < 0.15     | < 0.15     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.15       | < 0.15              | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       |            |
| Dichlorodifluoromethane    | 200        | 1000        | < 0.20     | < 0.20     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.2        | < 0.2               | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |            |
| Ethylbenzene               | 140        | 700         | < 0.13     | < 0.13     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.13       | < 0.13              | < 0.13       | < 0.13       | < 0.13       | 0.35 J       | < 0.13       |            |
| Isopropylbenzene           | NE         | NE          | < 0.14     | < 0.14     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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                  | NA           | NA           | NA           | NA           | NA           |            |
| Methyl tert-butyl ether    | 12         | 60          | < 0.24     | < 0.24     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.24       | < 0.24              | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       |            |
| Methylene chloride         | 0.5        | 5           | < 0.68     | < 0.68     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.68       | < 0.68              | < 0.68       | 5.3          | < 0.68       | < 0.68       | < 0.68       |            |
| Naphthalene                | 10         | 100         | < 0.16     | < 0.16     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.16       | < 0.16              | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16 *     |            |
| n-Butylbenzene             | NE         | NE          | < 0.13     | < 0.13     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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                  | NA           | NA           | NA           | NA           | NA           |            |
| n-Propylbenzene            | NE         | NE          | < 0.13     | < 0.13     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 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                  | NA           | NA           | NA           | NA           | NA           |            |
| p-Isopropyltoluene         | NE         | NE          | < 0.17     | < 0.17     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.17       | < 0.17              | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       |            |
| sec-Butylbenzene           | NE         | NE          | < 0.15     | < 0.15     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.15       | < 0.15              | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       |            |
| Styrene                    | 10         | 100         | < 0.10     | < 0.10     | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | < 0.1        | < 0.1               | < 0.1        | < 0.1        | < 0.10       | < 0.10       | < 0.10       |            |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-25D        | MW-25D       | MW-25D        | MW-25D        | MW-25D       | MW-25D        | MW-25D       | MW-25D <sup>3</sup> | MW-25D       | MW-25D       | MW-25D       | MW-25D       | MW-25D       | MW-25D        | MW-25D2      | MW-25D2      | MW-25D2      | MW-25D2      | MW-25D2      | MW-25D2      |
|----------------------------|--------------|-------------|---------------|--------------|---------------|---------------|--------------|---------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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 | 120 - 130 ft  | 160 - 170 ft | 160 - 170 ft | 160 - 170 ft | 160 - 170 ft | 160 - 170 ft | 160 - 170 ft |
| SAMPLE DATE                |              |             | 01/28/2015    | 04/10/2015   | 07/21/2015    | 10/19/2015    | 10/11/2016   | 10/03/2017    | 10/10/2018   | 10/10/2018          | 10/09/2019   | 10/13/2020   | 10/13/2021   | 10/19/2022   | 10/11/2023   | 10/23/2024    | 05/06/2013   | 07/19/2013   | 10/04/2013   | 04/21/2014   | 07/10/2014   | 08/26/2014   |
| <b>VOCs</b>                |              |             |               |              |               |               |              |               |              |                     |              |              |              |              |              |               |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.25        | < 0.25       | < 0.25        | < 0.46        | < 0.11       | < 0.11        | < 0.11       | < 0.11              | < 0.27       | < 0.27       | < 0.36       | < 0.36       | < 0.46       | < 0.16        | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.20        | < 0.20       | < 0.20        | < 0.38        | < 0.10       | < 0.1         | < 0.10       | < 0.10              | < 0.24       | < 0.24       | < 0.30       | < 0.30       | < 0.38       | < 0.39        | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.28        | < 0.28       | < 0.28        | < 0.35        | < 0.10       | < 0.1         | < 0.10       | < 0.10              | < 0.55       | < 0.55       | < 0.34       | < 0.34       | < 0.35       | < 0.27        | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.31        | < 0.31       | < 0.31        | < 0.39        | < 0.14       | < 0.14        | < 0.14       | < 0.14              | < 0.24       | < 0.24       | < 0.58       | < 0.58       | < 0.39       | < 0.23        | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.14        | < 0.14       | < 0.14        | < 0.36        | < 0.060      | < 0.06        | < 0.060      | < 0.060             | < 0.84       | < 0.84       | < 0.45       | < 0.45       | < 0.36       | < 0.15        | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.36        | < 0.36       | < 0.36        | < 0.39        | < 0.13       | < 0.13        | < 0.13       | < 0.13              | < 0.83       | < 0.83       | < 0.31       | < 0.31       | < 0.39       | < 0.18        | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.36       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.27        | < 0.27       | < 0.27        | < 0.33        | < 0.076      | < 0.076       | < 0.076      | < 0.076             | < 0.71       | < 0.71       | < 0.33       | < 0.33       | < 0.33       | < 0.14        | < 0.27       | < 0.27       | < 0.27       | < 0.27       | < 0.27       | < 0.27       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.28        | < 0.28       | < 0.28        | < 0.39        | < 0.078      | < 0.078       | < 0.078      | < 0.078             | < 0.28       | < 0.28       | < 0.29       | < 0.29       | < 0.39       | < 0.28        | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.20        | < 0.20       | < 0.20        | < 0.43        | < 0.10       | < 0.1         | < 0.10       | < 0.10              | < 0.28       | < 0.28       | < 0.45       | < 0.45       | < 0.43       | < 0.24        | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 0.24        | < 0.24       | < 0.24        | < 0.46        | < 0.045      | < 0.045       | < 0.045      | < 0.045             | < 0.63       | < 2.2        | < 1.0        | < 1.0        | < 0.46       | < 1.2         | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.31        | < 0.31       | < 0.31        | < 0.34        | < 0.077      | < 0.077       | < 0.077      | < 0.077             | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.34       | < 0.58        | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.18        | < 0.18       | < 0.18        | < 0.25        | < 0.075      | < 0.075       | < 0.075      | < 0.075             | < 0.87       | < 0.87       | < 0.36       | < 0.36       | < 0.25       | < 0.12        | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       |
| 2-Butanone                 | 800          | 4000        | NA            | NA           | NA            | NA            | < 3.0        | < 3           | < 3.0        | < 3.0               | < 2.9        | < 2.9        | < 6.5        | < 6.5        | < 2.1        | < 4.6         | NA           | NA           | NA           | NA           | NA           | NA           |
| 2-Hexanone                 | NE           | NE          | NA            | NA           | NA            | NA            | < 0.95       | < 0.95        | < 0.95       | < 0.95              | < 2.5        | < 5.2        | < 6.3        | < 6.3        | < 1.6        | < 0.81        | NA           | NA           | NA           | NA           | NA           | NA           |
| 4-Methyl-2-pentanone       | 50           | 500         | NA            | NA           | NA            | NA            | < 0.77       | < 0.77        | < 0.77       | < 0.77              | < 1.5        | < 4.6        | < 6.0        | < 6.0        | < 2.2        | < 0.98        | NA           | NA           | NA           | NA           | NA           | NA           |
| Acetone                    | 1800         | 9000        | NA            | NA           | NA            | NA            | < 3.4        | < 3.4         | < 3.7 U      | < 3.4               | < 2.7        | < 2.7        | < 8.6        | < 8.6        | < 1.7        | < 6.6         | NA           | NA           | NA           | NA           | NA           | NA           |
| Benzene                    | 0.5          | 5           | < 0.074       | < 0.074      | < 0.074       | < 0.15        | < 0.089      | < 0.089       | < 0.089      | < 0.089             | < 0.25       | < 0.25       | < 0.30       | < 0.30       | < 0.15       | < 0.14        | < 0.074      | < 0.074      | < 0.074      | < 0.074      | < 0.074      | < 0.074      |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.17        | < 0.17       | < 0.17        | < 0.37        | < 0.077      | < 0.077       | < 0.077      | < 0.077             | < 0.36       | < 0.36       | < 0.42       | < 0.42       | < 0.37       | < 0.19        | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       |
| Bromoform                  | 0.44         | 4.4         | < 0.28        | < 0.28       | < 0.28        | < 0.48        | < 0.088      | < 0.088       | < 0.088      | < 0.088             | < 4.0        | < 4.0        | < 3.8        | < 3.8        | < 0.48       | < 0.25        | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       | < 0.28       |
| Bromomethane               | 1            | 10          | < 0.31        | < 0.31       | < 0.31        | < 0.80        | < 0.59       | < 0.59        | < 0.72 U     | < 0.59              | < 0.97       | < 0.97       | < 1.2        | < 1.2        | < 0.80       | < 2.4         | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.31       |
| Carbon disulfide           | 200          | 1000        | NA            | NA           | NA            | NA            | < 0.053      | < 0.053       | < 0.053      | < 0.053             | NA           | < 0.37       | < 0.45       | < 1.1        | < 1.1        | < 0.45        | < 0.26       | NA           | NA           | NA           | NA           | NA           |
| Carbon tetrachloride       | 0.5          | 5           | < 0.26        | < 0.26       | < 0.26        | < 0.38        | < 0.038      | < 0.038       | < 0.038      | < 0.038             | < 0.17       | < 1.1        | < 0.37       | < 0.37       | < 0.38       | < 0.23        | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       | < 0.26       |
| Chloroethane               | 80           | 400         | < 0.34        | < 0.34       | < 0.34        | < 0.47        | < 0.25       | < 0.25        | < 0.25       | < 0.25              | < 1.3        | < 1.3        | < 1.4        | < 1.4        | < 0.51       | < 0.64        | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       |
| Chloroform                 | 0.6          | 6           | < 0.20        | < 0.20       | < 0.20        | < 0.37        | < 0.062      | < 0.062       | < 0.062      | < 0.062             | < 1.3        | < 1.3        | < 1.2        | < 1.2        | < 0.37       | < 0.36        | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |
| Chloromethane              | 3            | 30          | < 0.18        | < 0.18       | < 0.18        | < 0.32        | 0.37 BJ      | 0.82 J+       | < 0.65 U     | < 0.16              | < 2.2        | < 2.2        | < 1.6        | < 1.6        | < 0.32       | < 0.23        | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       | < 0.18       |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.12        | < 0.12       | < 0.12        | < 0.41        | < 0.11       | < 0.11        | < 0.11       | < 0.11              | < 0.27       | < 0.27       | < 0.47       | < 0.47       | < 0.41       | < 0.32        | < 0.12       | < 0.12       | < 0.12       | < 0.12       | < 0.12       | < 0.12       |
| Di-isopropyl ether         | NE           | NE          | < 0.15        | < 0.15       | < 0.15        | < 0.28        | < 0.15       | < 0.15        | < 0.15       | < 0.15              | < 1.9        | < 1.9        | < 1.1        | < 1.1        | < 0.28       | < 1.1         | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.20        | < 0.20       | < 0.20        | < 0.54        | < 0.11       | < 0.11        | < 0.11       | < 0.11              | < 0.50       | < 0.50       | < 0.46       | < 0.46       | < 0.67       | < 0.30        | < 0.2        | < 0.2        | < 0.2        | < 0.20       | < 0.20       | < 0.20       |
| Ethylbenzene               | 140          | 700         | < 0.13        | < 0.13       | < 0.13        | < 0.18        | < 0.054      | < 0.054       | < 0.054      | < 0.054             | < 0.22       | < 0.32       | < 0.33       | < 0.33       | < 0.18       | < 0.14        | < 0.13       | < 0.13       | < 0.13       | < 0.13       | 0.47 J       | < 0.13       |
| Isopropylbenzene           | NE           | NE          | < 0.14        | < 0.14       | < 0.14        | < 0.081       | < 0.081      | < 0.081       | < 0.081      | < 0.081             | < 0.39       | < 1.7        | < 1.0        | < 1.0        | < 0.39 J-    | < 0.16        | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       |
| m,p-Xylene                 | 400          | 2000        | NA            | NA           | NA            | NA            | < 0.057      | 0.06 BJ       | < 0.057      | < 0.057             | < 0.47       | < 0.47       | < 0.70       | < 0.70       | < 0.18       | < 0.36        | NA           | NA           | NA           | NA           | NA           | NA           |
| Methyl tert-butyl ether    | 12           | 60          | < 0.24        | < 0.24       | < 0.24        | < 0.39        | < 0.14       | < 0.14        | < 0.14       | < 0.14              | < 1.2        | < 1.2        | < 1.1        | < 1.1        | < 0.39       | < 0.25        | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       | < 0.24       |
| Methylene chloride         | 0.5          | 5           | < 0.68        | < 0.68       | < 0.68        | < 1.6         | 0.23 J       | <b>0.51 J</b> | < 0.54 U     | < 0.42 U            | < 0.58       | < 0.58       | < 0.32       | < 0.32       | < 2.5 U      | < 0.94        | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       | < 0.68       |
| Naphthalene                | 10           | 100         | < 0.16        | < 0.16       | < 0.16        | < 0.34        | < 0.088      | < 0.088       | < 0.13 U     | < 0.088             | < 1.2        | < 1.2        | < 1.1        | < 1.1        | < 0.34       | < 0.99        | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       | < 0.16       |
| n-Butylbenzene             | NE           | NE          | < 0.13        | < 0.13       | < 0.13        | < 0.39        | < 0.14       | < 0.14        | < 0.14       | < 0.14              | < 0.71       | < 0.71       | < 0.86       | < 0.86       | < 0.39       | < 0.23        | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       |
| n-Hexane                   | 120          | 600         | NA            | NA           | NA            | < 0.21        | < 0.21       | < 0.21        | < 0.21       | < 0.21              | < 1.7        | < 1.7        | < 1.5        | < 1.5        | < 0.49 UJ    | < 0.16        | NA           | NA           | NA           | NA           | NA           | NA           |
| n-Propylbenzene            | NE           | NE          | < 0.13        | < 0.13       | < 0.13        | < 0.41        | < 0.10       | < 0.1         | < 0.10       | < 0.10              | < 0.81       | < 0.81       | < 0.35       | < 0.35       | < 0.41       | < 0.18        | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       | < 0.13       |
| o-Xylene                   | 400          | 2000        | NA            | NA           | NA            | NA            | < 0.058      | < 0.058       | < 0.058      | < 0.058             | < 0.26       | < 0.26       | < 0.35       | < 0.35       | < 0.22       | < 0.11        | NA           | NA           | NA           | NA           | NA           | NA           |
| p-Isopropyltoluene         | NE           | NE          | < 0.17        | < 0.17       | < 0.17        | < 0.36        | < 0.085      | < 0.085       | < 0.085      | < 0.085             | < 0.80       | < 0.80       | < 1.0        | < 1.0        | < 0.36       | < 0.19        | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       |
| sec-Butylbenzene           | NE           | NE          | < 0.15        | < 0.15       | < 0.15        | < 0.40        | < 0.13       | < 0.13        | < 0.13       | < 0.13              | < 0.85       | < 0.85       | < 0.42       | < 0.42       | < 0.40       | < 0.20        | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       |
| Styrene                    | 10           | 100         | < 0.10        | < 0.10       | < 0.10        | < 0.39        | < 0.065      | 0.07 BJ       | < 0.065      | < 0.065             | < 0.47       | < 0.30       | < 0.36       | < 0.36       | < 0.39       | < 0.13        | < 0.1        | < 0.1        | < 0.1        | < 0.10       | < 0.10       | < 0.10       |
| tert-Butylbenzene          | NE           | NE          | < 0.14        | < 0.14       | < 0.14        | < 0.12        | < 0.12       | < 0.12        | < 0.12       | < 0.12              | < 0.30       | < 0.30       | < 0.59       | < 0.59       | < 0.40       | < 0.18        | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       |
| Tetrachloroethene          | 0.5          | 5           | <b>0.86 J</b> | < 0.17       | <b>0.66 J</b> | <b>0.51 J</b> | <b>0.55</b>  | 0.37 J-       | 0.33 J       | 0.36 J              | < 0.33 U     | < 0.33       | < 0.41       | < 0.41       | < 0.37       | <b>0.76 J</b> | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       | < 0.17       |
| Toluene                    | 160          | 800         | < 0.11        | < 0.11       | < 0.11        | 0.55          | 0.090 J      | 0.07 BJ       | < 0.053      | < 0.05              |              |              |              |              |              |               |              |              |              |              |              |              |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | 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 <sup>2</sup> | MW-25D2      | MW-25D2      | MW-25D2      | MW-25D2      | MW-25D2      | MW-25D2      |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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                |              |             | 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   | 04/10/2019   | 10/09/2019   | 10/13/2020   | 04/12/2021   | 10/13/2021   |
| <b>VOCs</b>                |              |             |              |              |              |              |              |              |              |              |              |              |              |              |              |                      |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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       | < 0.27       | < 0.36       | < 0.36       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.20       | < 0.20       | < 0.20       | < 0.20       | < 0.38       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.1        | < 0.10               | < 0.10       | < 0.24       | < 0.24       | < 0.24       | < 0.30       | < 0.30       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 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       | < 0.55       | < 0.34       | < 0.34       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 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       | < 0.24       | < 0.24       | < 0.24       | < 0.58       | < 0.58       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 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       | < 0.84       | < 0.45       | < 0.45       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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       | < 0.83       | < 0.31       | < 0.31       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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       | < 0.71       | < 0.33       | < 0.33       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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       | < 0.28       | < 0.29       | < 0.29       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.20       | < 0.20       | < 0.20       | < 0.20       | < 0.43       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.1        | < 0.10               | < 0.10       | < 0.28       | < 0.28       | < 0.28       | < 0.45       | < 0.45       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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      | < 0.63       | < 0.63       | < 2.2        | < 1.0        | < 1.0        |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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       | < 0.95       | < 0.95       | < 0.95       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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       | < 0.87       | < 0.36       | < 0.36       |
| 2-Butanone                 | 800          | 4000        | 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        | < 2.9        | < 6.5        | < 6.5        |
| 2-Hexanone                 | NE           | NE          | 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        | < 5.2        | < 6.3        | < 6.3        |
| 4-Methyl-2-pentanone       | 50           | 500         | 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        | < 4.6        | < 6.0        | < 6.0        |
| Acetone                    | 1800         | 9000        | 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      | < 2.7        | < 2.7        | < 2.7        | < 8.6        | < 8.6        |
| Benzene                    | 0.5          | 5           | < 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      | < 0.25       | < 0.25       | < 0.25       | < 0.30       | < 0.30       |
| Bromodichloromethane       | 0.06         | 0.6         | < 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       | < 0.36       | < 0.42       | < 0.42       |
| Bromoform                  | 0.44         | 4.4         | < 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        | < 4.0        | < 3.8        | < 3.8        |
| Bromomethane               | 1            | 10          | < 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       | < 0.97       | < 0.97       | < 0.97       | < 1.2        | < 1.2        |
| Carbon disulfide           | 200          | 1000        | NA           | NA           | NA           | NA           | NA           | < 0.053      | < 0.053      | < 0.053      | < 0.053      | < 0.053      | < 0.053      | < 0.053      | 0.44 J       | < 0.053              | < 0.053      | < 0.37       | < 0.37       | < 0.37       | < 0.45       | < 1.1        |
| Carbon tetrachloride       | 0.5          | 5           | < 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       | < 0.17       | < 0.37       | < 0.37       |
| Chloroethane               | 80           | 400         | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.47       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25               | < 0.25       | < 1.3        | < 1.3        | < 1.3        | < 1.4        | < 1.4        |
| Chloroform                 | 0.6          | 6           | < 0.20       | < 0.20       | < 0.20       | < 0.20       | < 0.37       | < 0.062      | < 0.062      | < 0.062      | < 0.062      | < 0.062      | < 0.062      | < 0.062      | 0.12 J       | < 0.062              | < 0.062      | < 1.3        | < 1.3        | < 1.3        | < 1.2        | < 1.2        |
| Chloromethane              | 3            | 30          | < 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     | < 2.2        | < 2.2        | < 2.2        | < 1.6        | < 1.6        |
| cis-1,2-Dichloroethene     | 7            | 70          | < 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       | < 0.27       | < 0.47       | < 0.47       |
| Di-isopropyl ether         | NE           | NE          | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.28       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15               | < 0.15       | < 1.9        | < 1.9        | < 1.9        | < 1.1        | < 1.1        |
| Dichlorodifluoromethane    | 200          | 1000        | < 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       | < 0.50       | < 0.50       | < 0.50       | < 0.46       | < 0.46       |
| Ethylbenzene               | 140          | 700         | < 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      | < 0.22       | < 0.22       | < 0.32       | < 0.33       | < 0.33       |
| Isopropylbenzene           | NE           | NE          | < 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       | < 1.7        | < 1.0        | < 1.0        |
| m,p-Xylene                 | 400          | 2000        | 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       | < 0.47       | < 0.70       | < 0.70       |
| Methyl tert-butyl ether    | 12           | 60          | < 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        | < 1.2        | < 1.1        | < 1.1        |
| Methylene chloride         | 0.5          | 5           | < 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       | 0.14 J+              | < 0.31 U     | < 0.58       | < 0.58       | < 0.58       | < 0.32       | < 0.32       |
| Naphthalene                | 10           | 100         | < 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      | < 1.2        | < 1.2        | < 1.2        | < 1.1        | < 1.1        |
| n-Butylbenzene             | NE           | NE          | < 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       | < 0.71       | < 0.86       | < 0.86       |
| n-Hexane                   | 120          | 600         | 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        | < 1.7        | < 1.5        | < 1.5        |
| n-Propylbenzene            | NE           | NE          | < 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       | < 0.81       | < 0.81       | < 0.81       | < 0.35       | < 0.35       |
| o-Xylene                   | 400          | 2000        | 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       | < 0.26       | < 0.35       | < 0.35       |
| p-Isopropyltoluene         | NE           | NE          | < 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       | < 0.80       | < 1.0        | < 1.0        |
| sec-Butylbenzene           | NE           | NE          | < 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       | < 0.85       | < 0.42       | < 0.42       |
| Styrene                    | 10           | 100         | < 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      | < 0.47       | < 0.47       | < 3.0        | < 0.36       | < 0.36       |
| tert-Butylbenzene          | NE           | NE          | < 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       | < 0.30       | < 0.59       | < 0.59       |
| Tetrachloroethene          | 0.5          | 5           | < 0.17       | < 0.17       | < 0          |              |              |              |              |              |              |              |              |              |              |                      |              |              |              |              |              |              |



Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    |              |             | MW-25D2      | MW-25D2      | MW-25D2       | MW-25D2      | MW-25D2 <sup>3</sup> | MW-25D2      | MW-25D2      | MW-26S          | MW-26S        | MW-26S        | MW-26S        | MW-26S        | MW-27D       | MW-27D <sup>3</sup> | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       |
|----------------------------|--------------|-------------|--------------|--------------|---------------|--------------|----------------------|--------------|--------------|-----------------|---------------|---------------|---------------|---------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 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 | 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 |
| SAMPLE DATE                | ACTION LIMIT | STANDARD    | 04/21/2022   | 10/19/2022   | 4/11/2023     | 10/11/2023   | 10/12/2023           | 04/23/2024   | 10/23/2024   | 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   |              |
| VOCS                       |              |             |              |              |               |              |                      |              |              |                 |               |               |               |               |              |                     |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.36       | < 0.36       | < 0.46        | < 0.46       | < 0.46               | < 0.46       | < 0.16       | < 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       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.30       | < 0.30       | < 0.38        | < 0.38       | < 0.38               | < 0.38       | < 0.39       | < 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       | < 0.20       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.34       | < 0.34       | < 0.35        | < 0.35       | < 0.35               | < 0.35       | < 0.27       | < 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       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.58       | < 0.58       | < 0.39        | < 0.39       | < 0.39               | < 0.39       | < 0.23       | < 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       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.45       | < 0.45       | < 0.74 U      | < 0.36       | < 0.36               | < 0.36       | < 0.15       | < 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       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.31       | < 0.31       | < 0.39        | < 0.39       | < 0.39               | < 0.39       | < 0.18       | < 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       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33       | < 0.33       | < 0.33        | < 0.33       | < 0.33               | < 0.33       | < 0.14       | < 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       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.29       | < 0.29       | < 0.39        | < 0.39       | < 0.39               | < 0.39       | < 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       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.45       | < 0.45       | < 0.43        | < 0.43       | < 0.43               | < 0.43       | < 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       | < 0.20       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 1.0        | < 1.0        | < 0.46        | < 0.46       | < 0.46               | < 0.46       | < 1.2        | < 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       |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.95       | < 0.95       | < 0.34        | < 0.34       | < 0.34               | < 0.34       | < 0.58       | < 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       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.36       | < 0.78 U      | < 0.25       | < 0.25               | < 0.25       | < 0.12       | < 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       |
| 2-Butanone                 | 800          | 4000        | < 6.5        | < 6.5        | < 2.1 UJ      | < 2.1        | < 2.1                | < 2.1        | < 4.6        | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| 2-Hexanone                 | NE           | NE          | < 6.3        | < 6.3        | < 1.6 UJ      | < 1.6        | < 1.6                | < 1.6        | < 0.81       | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| 4-Methyl-2-pentanone       | 50           | 500         | < 6.0        | < 6.0        | < 2.2 UJ      | < 2.2        | < 2.2                | < 2.2        | < 0.98       | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| Acetone                    | 1800         | 9000        | < 8.6        | < 8.6        | 3.3 J         | < 1.7        | < 1.7                | < 1.7        | < 6.6        | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| Benzene                    | 0.5          | 5           | < 0.30       | < 0.30       | < 0.15        | < 0.15       | < 0.15               | < 0.15       | < 0.14       | < 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      |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.42       | < 0.42       | < 0.37        | < 0.37       | < 0.37               | < 0.37       | < 0.19       | < 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       |
| Bromoform                  | 0.44         | 4.4         | < 3.8        | < 3.8        | < 0.48        | < 0.48       | < 0.48               | < 0.48       | < 0.25       | < 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       |
| Bromomethane               | 1            | 10          | < 1.2        | < 1.2        | < 0.80 UJ     | < 0.80       | < 0.80               | < 0.80       | < 2.4        | < 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       |
| Carbon disulfide           | 200          | 1000        | < 1.1        | < 1.1        | < 0.45        | < 0.45       | < 0.45               | < 0.45       | < 0.26       | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| Carbon tetrachloride       | 0.5          | 5           | < 0.37       | < 0.37       | < 0.38        | < 0.38       | < 0.38               | < 0.38       | < 0.23       | < 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       |
| Chloroethane               | 80           | 400         | < 1.4        | < 1.4        | < 0.51        | < 0.51       | < 0.51               | < 0.51       | < 0.64       | < 0.34          | < 0.34        | < 0.34        | < 0.34        | < 0.34        | < 0.34       | < 0.34              | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.34       |
| Chloroform                 | 0.6          | 6           | < 1.2        | < 1.2        | < 0.37        | < 0.37       | < 0.37               | < 0.37       | < 0.36       | < 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       | < 0.20       |
| Chloromethane              | 3            | 30          | < 1.6        | < 1.6        | < 1.3 U       | < 0.32       | < 0.32               | < 0.32       | < 0.23       | < 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       |
| cis-1,2-Dichloroethene     | 7            | 70          | < 0.47       | < 0.47       | < 0.41        | < 0.41       | < 0.41               | < 0.41       | < 0.32       | < 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          |              |
| Di-isopropyl ether         | NE           | NE          | < 1.1        | < 1.1        | < 0.28        | < 0.28       | < 0.28               | < 0.28       | < 1.1        | < 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       |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.46       | < 0.46       | < 0.67        | < 0.67       | < 0.67               | < 0.67       | < 0.30       | < 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       | < 0.20       |
| Ethylbenzene               | 140          | 700         | < 0.33       | < 0.33       | < 0.18        | < 0.18       | < 0.18               | < 0.18       | < 0.14       | < 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       | < 0.13       |
| Isopropylbenzene           | NE           | NE          | < 1.0        | < 1.0        | < 0.39        | < 0.39 J-    | < 0.39 J-            | < 0.39       | < 0.16       | < 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       |
| m,p-Xylene                 | 400          | 2000        | < 0.70       | < 0.70       | < 0.18        | < 0.18       | < 0.18               | < 0.18       | < 0.36       | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| Methyl tert-butyl ether    | 12           | 60          | < 1.1        | < 1.1        | < 0.39        | < 0.39       | < 0.39               | < 0.39       | < 0.25       | < 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       |              |
| Methylene chloride         | 0.5          | 5           | < 0.32       | < 0.32       | < 1.7 U       | < 2.3 U      | < 2.5 U              | < 1.6        | < 0.94       | < 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       |
| Naphthalene                | 10           | 100         | < 1.1        | < 1.1        | < 0.34        | < 0.34       | < 0.34               | < 0.34       | < 0.99       | < 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       |
| n-Butylbenzene             | NE           | NE          | < 0.86       | < 0.86       | < 0.39        | < 0.39       | < 0.39               | < 0.39       | < 0.23       | < 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       |
| n-Hexane                   | 120          | 600         | < 1.5        | < 1.5        | < 0.49        | < 0.49 UJ    | < 0.49 UJ            | < 0.49       | < 0.16       | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| n-Propylbenzene            | NE           | NE          | < 0.35       | < 0.35       | < 0.41        | < 0.41       | < 0.41               | < 0.41       | < 0.18       | < 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       |
| o-Xylene                   | 400          | 2000        | < 0.35       | < 0.35       | < 0.22        | < 0.22       | < 0.22               | < 0.22       | < 0.11       | NA              | NA            | NA            | NA            | NA            | NA           | NA                  | NA           | NA           | NA           | NA           | NA           | NA           | NA           |
| p-Isopropyltoluene         | NE           | NE          | < 1.0        | < 1.0        | < 0.36        | < 0.36       | < 0.36               | < 0.36       | < 0.19       | < 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       |
| sec-Butylbenzene           | NE           | NE          | < 0.42       | < 0.42       | < 0.40        | < 0.40       | < 0.40               | < 0.40       | < 0.20       | < 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       |
| Styrene                    | 10           | 100         | < 0.36       | < 0.36       | < 0.39        | < 0.39       | < 0.39               | < 0.39       | < 0.13       | < 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       | < 0.10       |
| tert-Butylbenzene          | NE           | NE          | < 0.59       | < 0.59       | < 0.40        | < 0.40       | < 0.40               | < 0.40       | < 0.18       | < 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       |
| Tetrachloroethene          | 0.5          | 5           | < 0.41       | < 0.41       | <b>0.55 J</b> | < 0.37       | < 0.37               | < 0.37       | < 0.40       | <b>1.4&lt;/</b> |               |               |               |               |              |                     |              |              |              |              |              |              |              |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D <sup>3</sup> | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       | MW-27D       |
|----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 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 | 130 - 140 ft | 130 - 140 ft | 130 - 140 ft | 130 - 140 ft |
| SAMPLE DATE                |              |             | 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   | 10/10/2018   | 04/10/2019   | 10/10/2019   | 10/14/2020   | 04/13/2021   | 10/13/2021   | 04/26/2022   | 10/20/2022   | 4/11/2023    | 10/11/2023   | 04/23/2024   |
| <b>VOCS</b>                |              |             |              |              |              |              |              |              |                     |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 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       | < 0.27       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.46       | < 0.46       | < 0.46       |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.38       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10       | < 0.10              | < 0.10       | < 0.1        | < 0.10       | < 0.10       | < 0.24       | < 0.24       | < 0.24       | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.38       | < 0.38       | < 0.38       |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 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       | < 0.55       | < 0.34       | < 0.34       | < 0.34       | < 0.34       | < 0.35       | < 0.35       | < 0.35       |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.39       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.14              | < 0.14       | < 0.14       | < 0.14       | < 0.14       | < 0.24       | < 0.24       | < 0.24       | < 0.58       | < 0.58       | < 0.58       | < 0.58       | < 0.39       | < 0.39       | < 0.39       |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.060      | < 0.060      | < 0.060      | < 0.060      | < 0.060      | < 0.060             | < 0.060      | < 0.06       | < 0.060      | < 0.060 J-   | < 0.84       | < 0.84       | < 0.84       | < 0.45       | < 0.45       | < 0.45       | < 0.45       | < 0.73 U     | < 0.36       | < 0.36       |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 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       | < 0.83       | < 0.31       | < 0.31       | < 0.31       | < 0.31       | < 0.39       | < 0.39       | < 0.39       |
| 1,2-Dichlorobenzene        | 60           | 600         | < 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       | < 0.71       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       | < 0.33       |
| 1,2-Dichloroethane         | 0.5          | 5           | < 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       | < 0.28       | < 0.29       | < 0.29       | < 0.29       | < 0.29       | < 0.39       | < 0.39       | < 0.39       |
| 1,2-Dichloropropane        | 0.5          | 5           | < 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       | < 0.28       | < 0.45       | < 0.45       | < 0.45       | < 0.45       | < 0.43       | < 0.43       | < 0.43       |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 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       | < 2.2        | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.46       | < 0.46       | < 0.46       |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 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       | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.95       | < 0.34       | < 0.34       | < 0.34       |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 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       | < 0.87       | < 0.36       | < 0.36       | < 0.36       | < 0.36       | < 0.25       | < 0.25       | < 0.25       |
| 2-Butanone                 | 800          | 4000        | NA           | < 3.0        | < 3.0        | < 3.0        | < 3.0        | < 3.0        | < 3.0               | < 3.0        | < 3          | < 3.0        | < 3.0        | < 2.9        | < 2.9        | < 2.9        | < 6.5        | < 6.5        | < 6.5        | < 6.5        | < 2.1 UJ     | < 2.1        | < 2.1        |
| 2-Hexanone                 | NE           | NE          | 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        | < 5.2        | < 6.3        | < 6.3        | < 6.3        | < 6.3        | < 1.6 UJ     | < 1.6        | < 1.6        |
| 4-Methyl-2-pentanone       | 50           | 500         | 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        | < 4.6        | < 6.0        | < 6.0        | < 6.0        | < 6.0        | < 2.2 UJ     | < 2.2        | < 2.2        |
| Acetone                    | 1800         | 9000        | NA           | 7.1 J        | < 3.4        | < 3.4        | < 3.4        | < 3.4        | < 3.4               | < 3.4        | 3.7 BJ       | < 3.4        | < 3.8 U      | < 2.7        | < 2.7        | < 2.7        | < 8.6        | < 8.6        | < 8.6        | < 8.6        | 2.7 J        | < 1.7        | < 1.7        |
| Benzene                    | 0.5          | 5           | < 0.15       | < 0.089      | < 0.089      | < 0.089      | < 0.089      | < 0.089      | < 0.089             | < 0.089      | < 0.089      | < 0.089      | < 0.089      | < 0.25       | < 0.25       | < 0.25       | < 0.30       | < 0.30       | < 0.30       | < 0.30       | < 0.15       | < 0.15       | < 0.15       |
| Bromodichloromethane       | 0.06         | 0.6         | < 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       | < 0.36       | < 0.42       | < 0.42       | < 0.42       | < 0.42       | < 0.37       | < 0.37       | < 0.37       |
| Bromoform                  | 0.44         | 4.4         | < 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        | < 4.0        | < 3.8        | < 3.8        | < 3.8        | < 3.8        | < 0.48       | < 0.48       | < 0.48       |
| Bromomethane               | 1            | 10          | < 0.80       | < 0.59       | < 0.59       | < 0.59       | < 0.59       | < 0.59       | < 0.59              | < 0.59       | < 0.59       | < 0.59       | < 0.59       | < 0.97       | < 0.97       | < 0.97       | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.80 UJ    | < 0.80       | < 0.80       |
| Carbon disulfide           | 200          | 1000        | 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       | < 0.45       | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.45       | < 0.45       | < 0.45       |
| Carbon tetrachloride       | 0.5          | 5           | < 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       | < 1.1        | < 0.37       | < 0.37       | < 0.37       | < 0.37       | < 0.38       | < 0.38       | < 0.38       |
| Chloroethane               | 80           | 400         | < 0.47       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 0.25              | < 0.25       | < 0.25       | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.3        | < 1.4        | < 1.4        | < 1.4        | < 1.4        | < 0.51       | < 0.51       | < 0.51       |
| Chloroform                 | 0.6          | 6           | < 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        | < 1.3        | < 1.2        | < 1.2        | < 1.2        | < 1.2        | < 0.37       | < 0.37       | < 0.37       |
| Chloromethane              | 3            | 30          | < 0.32       | < 0.16       | < 0.16       | < 0.16       | 0.53 BJ      | < 0.16       | < 0.16              | < 0.16       | 0.4 J+       | < 0.16       | < 0.57 U     | < 2.2        | < 2.2        | < 2.2        | < 1.6        | < 1.6        | < 1.6        | < 1.6        | < 0.55 U     | < 0.32       | < 0.32       |
| cis-1,2-Dichloroethene     | 7            | 70          | 5.5          | 1.9          | 1.7          | 1.5          | 0.54         | 0.99 B       | 1.1 B               | 1.2          | 0.89         | 0.56         | 0.20 J       | 1.1          | 1.1          | 0.63 J       | < 0.47       | <b>8.4</b>   | < 0.47       | < 0.47       | < 0.41       | < 0.41       | 0.50 J       |
| Di-isopropyl ether         | NE           | NE          | < 0.28       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 0.15              | < 0.15       | < 0.15       | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.9        | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.28       | < 0.28       | < 0.28       |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.54       | < 0.11       | < 0.11       | 0.12 J       | < 0.11       | < 0.11       | < 0.11              | < 0.11       | < 0.11       | < 0.11       | < 0.11       | < 0.50       | < 0.50       | < 0.50       | < 0.46       | < 0.46       | < 0.46       | < 0.46       | < 0.67       | < 0.67       | < 0.67       |
| Ethylbenzene               | 140          | 700         | < 0.18       | < 0.054      | < 0.054      | < 0.054      | < 0.054      | < 0.054      | < 0.054             | < 0.054      | < 0.054      | < 0.054      | < 0.054      | < 0.22       | < 0.22       | < 0.32       | < 0.33       | < 0.33       | < 0.33       | < 0.18       | < 0.18       | < 0.18       |              |
| Isopropylbenzene           | NE           | NE          | < 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       | < 1.7        | < 1.0        | < 1.0        | < 1.0        | < 0.39       | < 0.39 J-    | < 0.39       | < 0.39       |
| m,p-Xylene                 | 400          | 2000        | NA           | < 0.057      | < 0.057      | < 0.057      | < 0.057      | < 0.057      | < 0.057             | < 0.057      | 0.06 BJ      | 0.080 J      | < 0.057      | < 0.47       | < 0.47       | < 0.47       | < 0.70       | < 0.70       | < 0.70       | < 0.70       | < 0.18       | < 0.18       | < 0.18       |
| Methyl tert-butyl ether    | 12           | 60          | < 0.39       | 0.68         | 0.68         | 0.62         | < 0.14       | 0.42 J       | 0.38 J+             | 0.51         | 0.39 J       | < 0.14       | < 0.14       | < 1.2        | < 1.2        | < 1.2        | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.39       | < 0.39       | < 0.39       |
| Methylene chloride         | 0.5          | 5           | < 1.6        | 0.41 J       | < 0.14       | < 0.14       | < 0.14       | 0.16 BJ      | < 0.14              | < 0.14       | < 0.14       | 0.16 J       | < 0.36 U     | < 0.58       | < 0.58       | < 0.58       | < 0.32       | < 0.32       | < 0.32       | < 0.32       | < 1.7 U      | < 2.4 U      | < 1.6        |
| Naphthalene                | 10           | 100         | < 0.34       | < 0.088      | < 0.088      | < 0.088      | < 0.088      | < 0.088      | < 0.088             | < 0.088      | < 0.088      | < 0.088      | < 0.088      | < 1.2        | < 1.2        | < 1.2        | < 1.1        | < 1.1        | < 1.1        | < 1.1        | < 0.34       | < 0.34       | < 0.34       |
| n-Butylbenzene             | NE           | NE          | < 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       | < 0.71       | < 0.86       | < 0.86       | < 0.86       | < 0.86       | < 0.39       | < 0.39       | < 0.39       |
| n-Hexane                   | 120          | 600         | 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        | < 1.7        | < 1.5        | < 1.5        | < 1.5        | < 1.5        | < 0.49       | < 0.49 UJ    | < 0.49       |
| n-Propylbenzene            | NE           | NE          | < 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       | < 0.81       | < 0.35       | < 0.35       | < 0.35       | < 0.35       | < 0.41       | < 0.41       | < 0.41       |
| o-Xylene                   | 400          | 2000        | 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       | < 0.26       | < 0.35       | < 0.35       | < 0.35       | < 0.35       | < 0.22       | < 0.22       | < 0.22       |
| p-Isopropyltoluene         | NE           | NE          | < 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       | < 0.80       | < 1.0        | < 1.0        | < 1.0        | < 1.0        | < 0.36       | < 0.36       | < 0.36       |
| sec-Butylbenzene           | NE           | NE          | < 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       | < 0.85       | < 0.42       | < 0.42       | < 0.42       | < 0.42       | < 0.40       | < 0.40       | < 0.40       |
| Styrene                    |              |             |              |              |              |              |              |              |                     |              |              |              |              |              |              |              |              |              |              |              |              |              |              |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE | ENFORCEMENT | MW-27D       | MW-27D <sup>1</sup> | MW-27D2      | MW-27D2      | MW-27D2      | MW-27D2 <sup>3</sup> | MW-27D2      | MW-27D2      | MW-27D2 <sup>1</sup> | MW-27D2      | MW-27D2      | MW-27D2 <sup>2</sup> | MW-27D2      | MW-27D2      | MW-27D2 <sup>2</sup> | MW-27D2      | MW-27D2      | MW-27D2      | MW-27D2      | MW-27D2      |  |
|----------------------------|------------|-------------|--------------|---------------------|--------------|--------------|--------------|----------------------|--------------|--------------|----------------------|--------------|--------------|----------------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|--|
| SCREEN INTERVAL (feet bgs) | ACTION     | LIMIT       | 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 | 170 - 180 ft | 170 - 180 ft |  |
| SAMPLE DATE                | DATE       | STANDARD    | 10/23/2024   | 10/23/2024          | 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   | 10/14/2020   | 10/13/2021   |  |
| VOCs                       |            |             |              |                     |              |              |              |                      |              |              |                      |              |              |                      |              |              |                      |              |              |              |              |              |  |
| 1,1,1,2-Tetrachloroethane  | 7          | 70          | < 0.16       | < 0.16              | < 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       | < 0.27       | < 0.36       |  |
| 1,1,1-Trichloroethane      | 40         | 200         | < 0.39       | < 0.39              | < 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       | < 0.24       | < 0.30       |  |
| 1,1,2-Trichloroethane      | 0.5        | 5           | < 0.27       | < 0.27              | < 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       | < 0.55       | < 0.34       |  |
| 1,1-Dichloroethene         | 0.7        | 7           | < 0.23       | < 0.23              | < 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       | < 0.24       | < 0.58       |  |
| 1,2,4-Trimethylbenzene     | 96         | 480         | < 0.15       | < 0.15              | < 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       | < 0.84       | < 0.45       |  |
| 1,2-Dibromoethane          | 0.005      | 0.05        | < 0.18       | < 0.18              | < 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       | < 0.83       | < 0.31       |  |
| 1,2-Dichlorobenzene        | 60         | 600         | < 0.14       | < 0.14              | < 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       | < 0.71       | < 0.33       |  |
| 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               | < 0.39       | < 0.16       | < 0.16               | < 0.078      | < 0.078      | < 0.28       | < 0.28       | < 0.29       |  |
| 1,2-Dichloropropane        | 0.5        | 5           | < 0.24       | < 0.24              | < 0.2        | < 0.20       | < 0.20       | < 0.20               | < 0.20       | < 0.20       | < 0.20               | < 0.20       | < 0.20       | < 0.20               | < 0.43       | < 0.20       | < 0.20               | < 0.1        | < 0.10       | < 0.28       | < 0.28       | < 0.45       |  |
| 1,2,3-Trichlorobenzene     | NE         | NE          | < 1.2        | < 1.2               | < 0.24       | < 0.24       | < 0.24       | < 0.24               | < 0.24       | < 0.24       | < 0.24               | < 0.24       | < 0.24       | < 0.24               | < 0.46       | < 0.090      | < 0.090              | < 0.045      | < 0.045      | < 0.63       | < 2.2        | < 1.0        |  |
| 1,2,4-Trichlorobenzene     | 14         | 70          | < 0.58       | < 0.58              | < 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       | < 0.95       | < 0.95       |  |
| 1,3,5-Trimethylbenzene     | 96         | 480         | < 0.12       | < 0.12              | < 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       | < 0.87       | < 0.36       |  |
| 2-Butanone                 | 800        | 4000        | < 4.6        | < 4.6               | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 6.0        | < 6.0                | < 3          | < 3.0        | < 2.9        | < 2.9        | < 6.5        |  |
| 2-Hexanone                 | NE         | NE          | < 0.81       | < 0.81              | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 1.9        | < 1.9                | < 0.95       | < 0.95       | < 2.5        | < 5.2        | < 6.3        |  |
| 4-Methyl-2-pentanone       | 50         | 500         | < 0.98       | < 0.98              | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 1.5        | < 1.5                | < 0.77       | < 0.77       | < 1.5        | < 4.6        | < 6.0        |  |
| Acetone                    | 1800       | 9000        | < 6.6        | < 6.6               | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 6.8        | < 6.8                | 3.5 J        | < 3.4        | < 2.7        | < 2.7        | < 8.6        |  |
| Benzene                    | 0.5        | 5           | < 0.14       | < 0.14              | < 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       | < 0.25       | < 0.30       |  |
| Bromodichloromethane       | 0.06       | 0.6         | < 0.19       | < 0.19              | < 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       | < 0.36       | < 0.42       |  |
| Bromoform                  | 0.44       | 4.4         | < 0.25       | < 0.25              | < 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        | < 4.0        | < 3.8        |  |
| Bromomethane               | 1          | 10          | < 2.4        | < 2.4               | < 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       | < 0.97       | < 1.2        |  |
| Carbon disulfide           | 200        | 1000        | < 0.26       | < 0.26              | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 0.11       | < 0.11               | < 0.053      | < 0.053      | < 0.37       | < 0.45       | < 1.1        |  |
| Carbon tetrachloride       | 0.5        | 5           | < 0.23       | < 0.23              | < 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       | < 1.1        | < 0.37       |  |
| Chloroethane               | 80         | 400         | < 0.64       | < 0.64              | < 0.34       | < 0.34       | < 0.34       | < 0.34               | < 0.34       | < 0.34       | < 0.34               | < 0.34       | < 0.34       | < 0.34               | < 0.47       | < 0.50       | < 0.50               | < 0.25       | < 0.25       | < 1.3        | < 1.3        | < 1.4        |  |
| Chloroform                 | 0.6        | 6           | < 0.36       | < 0.36              | < 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        | < 1.3        | < 1.2        |  |
| Chloromethane              | 3          | 30          | < 0.23       | < 0.23              | < 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        | < 2.2        | < 1.6        |  |
| cis-1,2-Dichloroethene     | 7          | 70          | < 0.32       | < 0.32              | 3.7          | 12           | 11           | 11                   | 12           | 11           | 11                   | 8.2          | 6.1          | 6.1                  | 1.8          | 21           | 23                   | 9.4          | 13           | 12.7         | 7.1          | 8.6          |  |
| Di-isopropyl ether         | NE         | NE          | < 1.1        | < 1.1               | < 0.15       | < 0.15       | < 0.15       | < 0.15               | < 0.15       | < 0.15       | < 0.15               | < 0.15       | < 0.15       | < 0.15               | < 0.28       | < 0.30       | < 0.30               | < 0.15       | < 0.15       | < 1.9        | < 1.9        | < 1.1        |  |
| Dichlorodifluoromethane    | 200        | 1000        | < 0.30       | < 0.30              | < 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       | < 0.50       | < 0.46       |  |
| Ethylbenzene               | 140        | 700         | < 0.14       | < 0.14              | < 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       | < 0.32       | < 0.33       |  |
| Isopropylbenzene           | NE         | NE          | < 0.16       | < 0.16              | < 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       | < 1.7        | < 1.0        |  |
| m,p-Xylene                 | 400        | 2000        | < 0.36       | < 0.36              | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 0.11       | < 0.11               | < 0.057      | < 0.057      | < 0.47       | < 0.47       | < 0.70       |  |
| Methyl tert-butyl ether    | 12         | 60          | < 0.25       | < 0.25              | < 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        | < 1.2        | < 1.1        |  |
| Methylene chloride         | 0.5        | 5           | < 0.94       | < 0.94              | < 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       | < 0.58       | < 0.32       |  |
| Naphthalene                | 10         | 100         | < 0.99       | < 0.99              | < 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        | < 1.2        | < 1.1        |  |
| n-Butylbenzene             | NE         | NE          | < 0.23       | < 0.23              | < 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       | < 0.71       | < 0.86       |  |
| n-Hexane                   | 120        | 600         | < 0.16       | < 0.16              | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 0.42       | < 0.42               | < 0.21       | < 0.21       | < 1.7        | < 1.7        | < 1.5        |  |
| n-Propylbenzene            | NE         | NE          | < 0.18       | < 0.18              | < 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       | < 0.81       | < 0.35       |  |
| o-Xylene                   | 400        | 2000        | < 0.11       | < 0.11              | NA           | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | NA           | NA                   | NA           | < 0.12       | < 0.12               | < 0.058      | < 0.058      | < 0.26       | < 0.26       | < 0.35       |  |
| p-Isopropyltoluene         | NE         | NE          | < 0.19       | < 0.19              | < 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       | < 0.80       | < 1.0        |  |
| sec-Butylbenzene           | NE         | NE          | < 0.20       | < 0.20              | < 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       | < 0.85       | < 0.42       |  |
| Styrene                    | 10         | 100         | < 0.13       | < 0.13              | < 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       | < 3.0        | < 0.36       |  |
| tert-Butylbenzene          | NE         | NE          | < 0.18       | < 0.18              | < 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       | < 0.30       | < 0.59       |  |
| Tetrachloroethene          | 0.5        | 5           | 0.99 J       | 0.97 J              | 11           | 44           | 36           | 35                   | 41           | 38           | 36                   | 25           | 17           | 17                   | 3.1          | 67           | 63                   | 24           | 26 J-        | 28.7         | 16.9         | 21.1         |  |
| Toluene                    | 160        | 800         | < 0.32       | < 0.32              | 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       | < 0.27       | < 0.29       |  |
| trans-1,2-Dichloroethene   | 20         | 100         | < 0.37       | < 0.37              | &            |              |              |                      |              |              |                      |              |              |                      |              |              |                      |              |              |              |              |              |  |

Appendix E: Historical Groundwater Analytical Results Summary  
Madison-Kipp Corporation  
Madison, Wisconsin

| WELL ID                    | PREVENTIVE   | ENFORCEMENT | MW-27D2      | MW-27D2      | MW-27D2      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28      | MW-28 <sup>3</sup> |
|----------------------------|--------------|-------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| SCREEN INTERVAL (feet bgs) | ACTION LIMIT | STANDARD    | 170 - 180 ft | 170 - 180 ft | 170 - 180 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft | 28 - 38 ft         |
| SAMPLE DATE                |              |             | 10/20/2022   | 10/11/2023   | 10/23/2024   | 03/13/2015 | 04/09/2015 | 10/20/2015 | 10/10/2017 | 04/06/2018 | 10/17/2018 | 04/12/2019 | 10/16/2019 | 7/17/2020  | 10/24/2020 | 04/19/2021 | 10/16/2021 | 04/28/2022 | 10/16/2022 | 10/24/2022 | 10/16/2023 | 10/25/2024 | 10/25/2024         |
| VOCs                       |              |             |              |              |              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |                    |
| 1,1,1,2-Tetrachloroethane  | 7            | 70          | < 0.36       | < 0.46       | < 0.16       | NA         | NA         | NA         | NA         | NA         | < 1.1      | NA         | 0.50 J     | NA         | < 2.7      | NA         | < 3.6      | NA         | < 3.6      | < 7.1      | < 0.46     | < 1.6      | < 0.78             |
| 1,1,1-Trichloroethane      | 40           | 200         | < 0.30       | < 0.38       | < 0.39       | NA         | NA         | NA         | NA         | NA         | < 1.0      | NA         | < 0.24     | NA         | < 2.4      | NA         | < 3.0      | NA         | < 3.0      | < 6.1      | < 0.38     | < 3.9      | < 2.0              |
| 1,1,2-Trichloroethane      | 0.5          | 5           | < 0.34       | < 0.35       | < 0.27       | NA         | NA         | NA         | NA         | NA         | < 1.0      | NA         | < 0.55     | NA         | < 5.5      | NA         | < 3.4      | NA         | < 3.4      | < 6.9      | < 0.35     | < 2.7      | < 1.4              |
| 1,1-Dichloroethene         | 0.7          | 7           | < 0.58       | < 0.39       | < 0.23       | NA         | NA         | NA         | NA         | NA         | < 1.4      | NA         | < 0.24     | NA         | < 2.4      | NA         | < 5.8      | NA         | < 5.8      | < 11.6     | < 0.39     | < 2.3      | < 1.2              |
| 1,2,4-Trimethylbenzene     | 96           | 480         | < 0.45       | < 0.36       | < 0.15       | NA         | NA         | NA         | NA         | NA         | < 0.60     | NA         | < 0.84     | NA         | < 8.4      | NA         | < 4.5      | NA         | < 4.5      | < 9.0      | < 0.36     | < 1.5      | < 0.75             |
| 1,2-Dibromoethane          | 0.005        | 0.05        | < 0.31       | < 0.39       | < 0.18       | NA         | NA         | NA         | NA         | NA         | < 1.3      | NA         | < 0.83     | NA         | < 8.3      | NA         | < 3.1      | NA         | < 3.1      | < 6.2      | < 0.39     | < 1.8      | < 0.92             |
| 1,2-Dichlorobenzene        | 60           | 600         | < 0.33       | < 0.33       | < 0.14       | NA         | NA         | NA         | NA         | NA         | < 0.76     | NA         | < 0.71     | NA         | < 7.1      | NA         | < 3.3      | NA         | < 3.3      | < 6.5      | < 0.33     | < 1.4      | < 0.72             |
| 1,2-Dichloroethane         | 0.5          | 5           | < 0.29       | < 0.39       | < 0.28       | NA         | NA         | NA         | NA         | NA         | < 0.78     | NA         | < 0.28     | NA         | < 2.8      | NA         | < 2.9      | NA         | < 2.9      | < 5.8      | < 0.39     | < 2.8      | < 1.4              |
| 1,2-Dichloropropane        | 0.5          | 5           | < 0.45       | < 0.43       | < 0.24       | NA         | NA         | NA         | NA         | NA         | < 1.0      | NA         | < 0.28     | NA         | < 2.8      | NA         | < 4.5      | NA         | < 4.5      | < 9.0      | < 0.43     | < 2.4      | < 1.2              |
| 1,2,3-Trichlorobenzene     | NE           | NE          | < 1.0        | < 0.46       | < 1.2        | NA         | NA         | NA         | NA         | NA         | < 0.45     | NA         | < 0.63     | NA         | < 22.1     | NA         | < 10.2     | NA         | < 10.2     | < 20.4     | < 0.46     | < 12       | < 6.0              |
| 1,2,4-Trichlorobenzene     | 14           | 70          | < 0.95       | < 0.34       | < 0.58       | NA         | NA         | NA         | NA         | NA         | < 0.77     | NA         | < 0.95     | NA         | < 9.5      | NA         | < 9.5      | NA         | < 9.5      | < 19.0     | < 0.34     | < 5.8      | < 2.9              |
| 1,3,5-Trimethylbenzene     | 96           | 480         | < 0.36       | < 0.25       | < 0.12       | NA         | NA         | NA         | NA         | NA         | < 0.75     | NA         | < 0.87     | NA         | < 8.7      | NA         | < 3.6      | NA         | < 3.6      | < 7.1      | < 0.25     | < 1.2      | < 0.61             |
| 2-Butanone                 | 800          | 4000        | < 6.5        | < 2.1        | < 4.6        | NA         | NA         | NA         | NA         | NA         | < 30       | NA         | < 2.9      | NA         | < 29.4     | NA         | < 65.2     | NA         | < 65.2     | < 130      | < 2.1      | < 46       | < 23               |
| 2-Hexanone                 | NE           | NE          | < 6.3        | < 1.6        | < 0.81       | NA         | NA         | NA         | NA         | NA         | < 9.5      | NA         | < 2.5      | NA         | < 52.1     | NA         | < 62.8     | NA         | < 62.8     | < 126      | < 1.6      | < 8.1      | < 4.1              |
| 4-Methyl-2-pentanone       | 50           | 500         | < 6.0        | < 2.2        | < 0.98       | NA         | NA         | NA         | NA         | NA         | < 7.7      | NA         | < 1.5      | NA         | < 46.4     | NA         | < 59.5     | NA         | < 59.5     | < 119      | < 2.2      | < 9.8      | < 4.9              |
| Acetone                    | 1800         | 9000        | < 8.6        | < 1.7        | < 6.6        | NA         | NA         | NA         | NA         | NA         | < 34       | NA         | < 2.7      | NA         | < 27.4     | NA         | < 86.4     | NA         | < 86.4     | < 173      | < 2.2 U    | < 66       | < 33               |
| Benzene                    | 0.5          | 5           | < 0.30       | < 0.15       | < 0.14       | NA         | NA         | NA         | NA         | NA         | < 0.89     | NA         | < 0.25     | NA         | < 2.5      | NA         | < 3.0      | NA         | < 3.0      | < 5.9      | < 0.15     | < 1.4      | < 0.72             |
| Bromodichloromethane       | 0.06         | 0.6         | < 0.42       | < 0.37       | < 0.19       | NA         | NA         | NA         | NA         | NA         | < 0.77     | NA         | < 0.36     | NA         | < 3.6      | NA         | < 4.2      | NA         | < 4.2      | < 8.3      | < 0.37     | < 1.9      | < 0.94             |
| Bromoform                  | 0.44         | 4.4         | < 3.8        | < 0.48       | < 0.25       | NA         | NA         | NA         | NA         | NA         | < 0.88     | NA         | < 4.0      | NA         | < 39.7     | NA         | < 38.0     | NA         | < 38.0     | < 76.0     | < 0.48     | < 2.5      | < 1.2              |
| Bromomethane               | 1            | 10          | < 1.2        | < 0.80       | < 2.4        | NA         | NA         | NA         | NA         | NA         | < 5.9      | NA         | < 0.97     | NA         | < 9.7      | NA         | < 11.9     | NA         | < 11.9     | < 23.8     | < 0.80     | < 24       | < 12               |
| Carbon disulfide           | 200          | 1000        | < 1.1        | < 0.45       | < 0.26       | NA         | NA         | NA         | NA         | NA         | < 0.53     | NA         | < 0.37     | NA         | < 4.5      | NA         | < 11.0     | NA         | < 11.0     | < 22.0     | < 0.45     | < 2.6      | < 1.3              |
| Carbon tetrachloride       | 0.5          | 5           | < 0.37       | < 0.38       | < 0.23       | NA         | NA         | NA         | NA         | NA         | < 0.38     | NA         | < 0.17     | NA         | < 10.8     | NA         | < 3.7      | NA         | < 3.7      | < 7.4      | < 0.38     | < 2.3      | < 1.1              |
| Chloroethane               | 80           | 400         | < 1.4        | < 0.51       | < 0.64       | NA         | NA         | NA         | NA         | NA         | < 2.5      | NA         | < 1.3      | NA         | < 13.4     | NA         | < 13.8     | NA         | < 13.8     | < 27.6     | < 0.51     | < 6.4      | < 3.2              |
| Chloroform                 | 0.6          | 6           | < 1.2        | < 0.37       | < 0.36       | NA         | NA         | NA         | NA         | NA         | < 0.62     | NA         | < 1.3      | NA         | < 12.7     | NA         | < 11.8     | NA         | < 11.8     | < 23.7     | < 0.37     | < 3.6      | < 1.8              |
| Chloromethane              | 3            | 30          | < 1.6        | < 0.32       | < 0.23       | NA         | NA         | NA         | NA         | NA         | < 3.0 U    | NA         | < 2.2      | NA         | < 21.9     | NA         | < 16.4     | NA         | < 16.4     | < 32.7     | 0.90 J     | < 2.3      | < 1.1              |
| cis-1,2-Dichloroethene     | 7            | 70          | 6.1          | 3.7          | 2.9          | NA         | NA         | NA         | NA         | NA         | < 1.1      | NA         | < 0.27     | NA         | < 2.7      | NA         | < 4.7 J    | NA         | < 4.7      | < 9.4      | < 0.41     | < 3.2      | < 1.6              |
| Di-isopropyl ether         | NE           | NE          | < 1.1        | < 0.28       | < 1.1        | NA         | NA         | NA         | NA         | NA         | < 1.5      | NA         | < 1.9      | NA         | < 18.9     | NA         | < 11.0     | NA         | < 11.0     | < 22.0     | < 0.28     | < 11       | < 5.5              |
| Dichlorodifluoromethane    | 200          | 1000        | < 0.46       | < 0.67       | < 0.30       | NA         | NA         | NA         | NA         | NA         | < 1.1      | NA         | < 0.50     | NA         | < 5.0      | NA         | < 4.6      | NA         | < 4.6      | < 9.1      | < 0.67     | < 3.0      | < 1.5              |
| Ethylbenzene               | 140          | 700         | < 0.33       | < 0.18       | < 0.14       | NA         | NA         | NA         | NA         | NA         | < 0.54     | NA         | < 0.22     | NA         | < 3.2      | NA         | < 3.3      | NA         | < 3.3      | < 6.5      | < 0.18     | < 1.4      | < 0.72             |
| Isopropylbenzene           | NE           | NE          | < 1.0        | < 0.39 J-    | < 0.16       | NA         | NA         | NA         | NA         | NA         | < 0.81     | NA         | < 0.39     | NA         | < 16.9     | NA         | < 10.0     | NA         | < 10.0     | < 20.0     | < 0.39     | < 1.6      | < 0.79             |
| m,p-Xylene                 | 400          | 2000        | < 0.70       | < 0.18       | < 0.36       | NA         | NA         | NA         | NA         | NA         | < 0.57     | NA         | < 0.47     | NA         | < 4.7      | NA         | < 7.0      | NA         | < 7.0      | < 14.0     | < 0.18     | < 3.6      | < 1.8              |
| Methyl tert-butyl ether    | 12           | 60          | < 1.1        | < 0.39       | < 0.25       | NA         | NA         | NA         | NA         | NA         | < 1.4      | NA         | < 1.2      | NA         | < 12.5     | NA         | < 11.3 J   | NA         | < 11.3     | < 22.6     | < 0.39     | < 2.5      | < 1.3              |
| Methylene chloride         | 0.5          | 5           | < 0.32       | < 2.3 U      | < 0.94       | NA         | NA         | NA         | NA         | NA         | < 1.4      | NA         | < 0.58     | NA         | < 5.8      | NA         | < 3.2      | NA         | < 3.2      | < 6.4      | < 1.6      | < 9.4      | < 4.7              |
| Naphthalene                | 10           | 100         | < 1.1        | < 0.34       | < 0.99       | NA         | NA         | NA         | NA         | NA         | < 0.88     | NA         | < 1.2      | NA         | < 11.8     |            |            |            |            |            |            |            |                    |

**Appendix E: Historical Groundwater Analytical Results Summary**  
**Madison-Kipp Corporation**  
**Madison, Wisconsin**

[illegible]

Notes on Page 68.

Appendix E: Historical 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 - Field duplicate.

Updated By: P. Popp 6/17/2024  
Checked By: L. Auner, 8/12/2024

Data Qualifiers:  
J = Estimated concentration  
J+ = Estimated concentration with a potential high bias  
J- = Estimated concentration with a potential low bias  
UJ = Non-detect; estimated detection limit  
U = Non-detect at the reported limit

**General Notes:**  
All concentrations noted in this table are reported in micrograms per liter (µg/L) unless otherwise noted.  
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

100

< = Constituent concentration below the reported limit.  
bgs = Below Ground Surface.  
NA = Not Analyzed.  
ND = Not Detected.  
NE = Not Established.  
PCBs = Polychlorinated biphenyls.  
VOCs = Volatile Organic Compounds.



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 5/13/2024 12:54:40 PM

## JOB DESCRIPTION

MKC Semi-Annual Sampling

## JOB NUMBER

500-249662-1



# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



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5/13/2024 12:54:40 PM

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
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## Case Narrative

Client: TRC Environmental Corporation  
Project: MKC Semi-Annual Sampling

Job ID: 500-249662-1

**Job ID: 500-249662-1**

**Eurofins Chicago**

### Job Narrative 500-249662-1

#### Receipt

The samples were received on 4/27/2024 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2° C.

#### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. COC list all sample dates as October, logged per container labels (April).

Sample #2 COC list 9 containers-received 3. Correct containers for requested analysis.

Sample #8 COC list 3 containers-received 9 (MS/MSD) requested.

Sample #16 COC list 4 containers-received 3. Sufficient volume/correct containers received for requested analysis.

#### GC/MS VOA

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5D2-202404 (500-249662-7) and DUP-02-202404 (500-249662-17). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with the following had compounds outside 20% drift for method 8260D. Where applicable, a standard was analyzed at the reporting limit (CCVL) and analyses were able to continue, as low failing compounds were detected. Any detects for these out of control compounds should be considered estimates. MW-2D-202404 (500-249662-1), MW-3D-202404 (500-249662-2), MW-3D2-202404 (500-249662-3), MW-4D2-202404 (500-249662-4), MW-5D-202404 (500-249662-6), MW-5D2-202404 (500-249662-7), MW-5D3-202404 (500-249662-8), MW-6D-202404 (500-249662-9), MW-9D2-202404 (500-249662-10), MW-17-202404 (500-249662-11), MW-25D2-202404 (500-249662-12), MW-27D-202404 (500-249662-13), MP-14 (135-140)-202404 (500-249662-14), MP-16 (140-144)-202404 (500-249662-15), DUP-02-202404 (500-249662-17), DUP-03-202404 (500-249662-18), FB-01-202404 (500-249662-19) and TRIP BLANK (500-249662-20)

Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: MW-3D-202404 (500-249662-2), MW-4D2-202404 (500-249662-4), MW-9D2-202404 (500-249662-10), DUP-03-202404 (500-249662-18), FB-01-202404 (500-249662-19) and TRIP BLANK (500-249662-20). The sample(s) were not reanalyzed as hold times were expiring.

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

#### GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with 180-467006 recovered low and outside the control limits for 1248 on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCV 180-467006/4).

Method 8082A: The continuing calibration verification (CCV) associated with 180-467006 recovered low and outside the control limits for 1016 on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCVIS 180-467006/47).

Method 8082A: The continuing calibration verification (CCV) associated with 180-467006 recovered high and outside the control limits for surrogate DCB on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCVIS 180-467006/47).

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

#### General Chemistry

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

#### Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 180-466996.

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

Eurofins Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Client Sample ID: MW-2D-202404

## Lab Sample ID: 500-249662-1

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 6.2    |           | 1.0 | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-3D-202404

## Lab Sample ID: 500-249662-2

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 8.0    |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 12     |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 280    |           | 10   | 3.7  | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-3D2-202404

## Lab Sample ID: 500-249662-3

| Analyte           | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 59     |           | 1.0  | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene   | 0.66   |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-4D2-202404

## Lab Sample ID: 500-249662-4

No Detections.

## Client Sample ID: MW-5S-202404

## Lab Sample ID: 500-249662-5

| Analyte                | Result | Qualifier | LOQ  | LOD | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------|--------|-----------|------|-----|------|---------|---|----------|-----------|
| Total Dissolved Solids | 590    |           | 10.0 | 4.3 | mg/L | 1       |   | SM 2540C | Total/NA  |

## Client Sample ID: MW-5D-202404

## Lab Sample ID: 500-249662-6

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Chloroform             | 0.52   | J         | 2.0  | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 2.3    |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 3.1    |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 240    |           | 10   | 3.7  | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-5D2-202404

## Lab Sample ID: 500-249662-7

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Chloroform             | 4.6    | J         | 10  | 1.9  | ug/L | 5       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 15     |           | 5.0 | 2.0  | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrahydrofuran        | 9.4    | J B ^c    | 50  | 9.4  | ug/L | 5       |   | 8260D  | Total/NA  |
| Trichloroethene        | 42     |           | 2.5 | 0.82 | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 4200   |           | 50  | 19   | ug/L | 50      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-5D3-202404

## Lab Sample ID: 500-249662-8

No Detections.

## Client Sample ID: MW-6D-202404

## Lab Sample ID: 500-249662-9

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,2,4-Trimethylbenzene | 1.2    |           | 1.0  | 0.36 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 4.7    |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Ethylbenzene           | 16     |           | 0.50 | 0.18 | ug/L | 1       |   | 8260D  | Total/NA  |
| Isopropylbenzene       | 12     |           | 1.0  | 0.39 | ug/L | 1       |   | 8260D  | Total/NA  |
| m-Xylene & p-Xylene    | 3.6    |           | 1.0  | 0.18 | ug/L | 1       |   | 8260D  | Total/NA  |
| Naphthalene            | 3.0    |           | 1.0  | 0.34 | ug/L | 1       |   | 8260D  | Total/NA  |
| N-Propylbenzene        | 5.9    |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Client Sample ID: MW-6D-202404 (Continued)

Lab Sample ID: 500-249662-9

| Analyte            | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| p-Isopropyltoluene | 1.3    |           | 1.0  | 0.36 | ug/L | 1       |   | 8260D  | Total/NA  |
| sec-Butylbenzene   | 2.0    |           | 1.0  | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Styrene            | 0.63   | J         | 1.0  | 0.39 | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene            | 7.6    |           | 0.50 | 0.15 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene    | 5.7    |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |
| Xylenes, Total     | 3.6    |           | 1.0  | 0.22 | ug/L | 1       |   | 8260D  | Total/NA  |
| Benzene - DL       | 190    |           | 5.0  | 1.5  | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-9D2-202404

Lab Sample ID: 500-249662-10

| Analyte                 | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene  | 74     |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Methyl tert-butyl ether | 5.6    |           | 1.0  | 0.39 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene       | 270    | E         | 1.0  | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene         | 46     |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |
| Vinyl chloride          | 0.71   | J         | 1.0  | 0.20 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL  | 170    |           | 10   | 3.7  | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-17-202404

Lab Sample ID: 500-249662-11

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 3.9    |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 14     |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 310    |           | 10   | 3.7  | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-25D2-202404

Lab Sample ID: 500-249662-12

No Detections.

## Client Sample ID: MW-27D-202404

Lab Sample ID: 500-249662-13

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.50   | J         | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 1.9    |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-14 (135-140)-202404

Lab Sample ID: 500-249662-14

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.84   | J         | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 32     |           | 1.0  | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 1.8    |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-16 (140-144)-202404

Lab Sample ID: 500-249662-15

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Acetone                | 1.9    | J ^c      | 10   | 1.7  | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.95   | J         | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 42     |           | 1.0  | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 5.8    |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: DUP-01-202404

Lab Sample ID: 500-249662-16

| Analyte                | Result | Qualifier | LOQ  | LOD | Unit | Dil Fac | D | Method   | Prep Type |
|------------------------|--------|-----------|------|-----|------|---------|---|----------|-----------|
| Total Dissolved Solids | 588    |           | 10.0 | 4.3 | mg/L | 1       |   | SM 2540C | Total/NA  |

This Detection Summary does not include radiochemical test results.

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## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

### Client Sample ID: DUP-02-202404

Lab Sample ID: 500-249662-17

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1,1,2-Trichloroethane  | 35     |           | 5.0 | 1.8  | ug/L | 5       |   | 8260D  | Total/NA  |
| Chloroform             | 2.8    | J         | 10  | 1.9  | ug/L | 5       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 14     |           | 5.0 | 2.0  | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrahydrofuran        | 9.7    | J ^c B    | 50  | 9.4  | ug/L | 5       |   | 8260D  | Total/NA  |
| Trichloroethene        | 42     |           | 2.5 | 0.82 | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 4300   |           | 50  | 19   | ug/L | 50      |   | 8260D  | Total/NA  |

### Client Sample ID: DUP-03-202404

Lab Sample ID: 500-249662-18

| Analyte                | Result | Qualifier | LOQ  | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 8.8    |           | 1.0  | 0.41 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 14     |           | 0.50 | 0.16 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 400    |           | 10   | 3.7  | ug/L | 10      |   | 8260D  | Total/NA  |

### Client Sample ID: FB-01-202404

Lab Sample ID: 500-249662-19

No Detections.

### Client Sample ID: TRIP BLANK

Lab Sample ID: 500-249662-20

No Detections.

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

| Method    | Method Description                           | Protocol | Laboratory |
|-----------|----------------------------------------------|----------|------------|
| 8260D     | Volatile Organic Compounds by GC/MS          | SW846    | EET CHI    |
| EPA 8082A | Polychlorinated Biphenyls (PCBs) (GC)        | SW846    | EET PIT    |
| SM 2540C  | Solids, Total Dissolved (TDS)                | SM       | EET CHI    |
| SM 2540D  | Solids, Total Suspended (TSS)                | SM       | EET CHI    |
| 3510C     | Liquid-Liquid Extraction (Separatory Funnel) | SW846    | EET PIT    |
| 5030B     | Purge and Trap                               | SW846    | EET CHI    |

### Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

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

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



## Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

| Lab Sample ID | Client Sample ID       | Matrix | Collected      | Received       |
|---------------|------------------------|--------|----------------|----------------|
| 500-249662-1  | MW-2D-202404           | Water  | 04/24/24 15:34 | 04/27/24 09:35 |
| 500-249662-2  | MW-3D-202404           | Water  | 04/24/24 16:56 | 04/27/24 09:35 |
| 500-249662-3  | MW-3D2-202404          | Water  | 04/24/24 16:34 | 04/27/24 09:35 |
| 500-249662-4  | MW-4D2-202404          | Water  | 04/24/24 15:24 | 04/27/24 09:35 |
| 500-249662-5  | MW-5S-202404           | Water  | 04/23/24 15:33 | 04/27/24 09:35 |
| 500-249662-6  | MW-5D-202404           | Water  | 04/23/24 16:45 | 04/27/24 09:35 |
| 500-249662-7  | MW-5D2-202404          | Water  | 04/23/24 17:47 | 04/27/24 09:35 |
| 500-249662-8  | MW-5D3-202404          | Water  | 04/23/24 16:18 | 04/27/24 09:35 |
| 500-249662-9  | MW-6D-202404           | Water  | 04/24/24 14:19 | 04/27/24 09:35 |
| 500-249662-10 | MW-9D2-202404          | Water  | 04/24/24 14:46 | 04/27/24 09:35 |
| 500-249662-11 | MW-17-202404           | Water  | 04/24/24 12:11 | 04/27/24 09:35 |
| 500-249662-12 | MW-25D2-202404         | Water  | 04/23/24 11:45 | 04/27/24 09:35 |
| 500-249662-13 | MW-27D-202404          | Water  | 04/23/24 13:35 | 04/27/24 09:35 |
| 500-249662-14 | MP-14 (135-140)-202404 | Water  | 04/22/24 15:00 | 04/27/24 09:35 |
| 500-249662-15 | MP-16 (140-144)-202404 | Water  | 04/22/24 14:05 | 04/27/24 09:35 |
| 500-249662-16 | DUP-01-202404          | Water  | 04/23/24 00:00 | 04/27/24 09:35 |
| 500-249662-17 | DUP-02-202404          | Water  | 04/23/24 00:00 | 04/27/24 09:35 |
| 500-249662-18 | DUP-03-202404          | Water  | 04/24/24 00:00 | 04/27/24 09:35 |
| 500-249662-19 | FB-01-202404           | Water  | 04/24/24 16:10 | 04/27/24 09:35 |
| 500-249662-20 | TRIP BLANK             | Water  | 04/22/24 00:00 | 04/27/24 09:35 |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-2D-202404

Lab Sample ID: 500-249662-1

Date Collected: 04/24/24 15:34

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 12:53 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 12:53 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 12:53 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 12:53 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 12:53 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 12:53 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 12:53 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-2D-202404

Lab Sample ID: 500-249662-1

Date Collected: 04/24/24 15:34

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18      |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Methyl tert-butyl ether   | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Methylene Chloride        | <1.6       |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 12:53 | 1       |
| Naphthalene               | <0.34      |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 12:53 | 1       |
| n-Butylbenzene            | <0.39      | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| n-Hexane                  | <0.49      | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 12:53 | 1       |
| N-Propylbenzene           | <0.41      |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 12:53 | 1       |
| o-Xylene                  | <0.22      | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 12:53 | 1       |
| p-Isopropyltoluene        | <0.36      |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 12:53 | 1       |
| sec-Butylbenzene          | <0.40      |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Styrene                   | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 12:53 | 1       |
| tert-Butylbenzene         | <0.40      |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 12:53 | 1       |
| <b>Tetrachloroethene</b>  | <b>6.2</b> |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Tetrahydrofuran           | <1.9       |           | 10   | 1.9  | ug/L |   |          | 05/07/24 12:53 | 1       |
| Toluene                   | <0.15      |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 12:53 | 1       |
| trans-1,2-Dichloroethene  | <0.35      |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 12:53 | 1       |
| trans-1,3-Dichloropropene | <0.36      |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Trichloroethene           | <0.16      |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Trichlorofluoromethane    | <0.43      |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Vinyl chloride            | <0.20      |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 12:53 | 1       |
| Xylenes, Total            | <0.22      |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 12:53 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 75 - 126 |          | 05/07/24 12:53 | 1       |
| 4-Bromofluorobenzene (Surr)  | 106       |           | 72 - 124 |          | 05/07/24 12:53 | 1       |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 120 |          | 05/07/24 12:53 | 1       |
| Toluene-d8 (Surr)            | 120       |           | 75 - 120 |          | 05/07/24 12:53 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-3D-202404

Lab Sample ID: 500-249662-2

Date Collected: 04/24/24 16:56

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 13:16 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 13:16 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 13:16 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 13:16 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 13:16 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 13:16 | 1       |
| cis-1,2-Dichloroethene                | 8.0    |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 13:16 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-3D-202404

Lab Sample ID: 500-249662-2

Date Collected: 04/24/24 16:56

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 13:16 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 13:16 | 1       |
| n-Butylbenzene            | <0.39  | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 13:16 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 13:16 | 1       |
| o-Xylene                  | <0.22  | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 13:16 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 13:16 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 13:16 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Tetrahydrofuran           | <1.9   |           | 10   | 1.9  | ug/L |   |          | 05/07/24 13:16 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 13:16 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 13:16 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Trichloroethene           | 12     |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 13:16 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 13:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 75 - 126 |          | 05/07/24 13:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 72 - 124 |          | 05/07/24 13:16 | 1       |
| Dibromofluoromethane (Surr)  | 110       |           | 75 - 120 |          | 05/07/24 13:16 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 75 - 120 |          | 05/07/24 13:16 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 280    |           | 10  | 3.7 | ug/L |   |          | 05/07/24 13:39 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 75 - 126 |          | 05/07/24 13:39 | 10      |
| 4-Bromofluorobenzene (Surr)  | 107       |           | 72 - 124 |          | 05/07/24 13:39 | 10      |
| Dibromofluoromethane (Surr)  | 108       |           | 75 - 120 |          | 05/07/24 13:39 | 10      |
| Toluene-d8 (Surr)            | 121       | X         | 75 - 120 |          | 05/07/24 13:39 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-3D2-202404

Lab Sample ID: 500-249662-3

Date Collected: 04/24/24 16:34

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 14:02 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 14:02 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:02 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 14:02 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 14:02 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 14:02 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:02 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-3D2-202404

Lab Sample ID: 500-249662-3

Date Collected: 04/24/24 16:34

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18       |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Methyl tert-butyl ether   | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Methylene Chloride        | <1.6        |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 14:02 | 1       |
| Naphthalene               | <0.34       |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 14:02 | 1       |
| n-Butylbenzene            | <0.39       | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| n-Hexane                  | <0.49       | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 14:02 | 1       |
| N-Propylbenzene           | <0.41       |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:02 | 1       |
| o-Xylene                  | <0.22       | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 14:02 | 1       |
| p-Isopropyltoluene        | <0.36       |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:02 | 1       |
| sec-Butylbenzene          | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Styrene                   | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:02 | 1       |
| tert-Butylbenzene         | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:02 | 1       |
| <b>Tetrachloroethene</b>  | <b>59</b>   |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Tetrahydrofuran           | <1.9        |           | 10   | 1.9  | ug/L |   |          | 05/07/24 14:02 | 1       |
| Toluene                   | <0.15       |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 14:02 | 1       |
| trans-1,2-Dichloroethene  | <0.35       |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:02 | 1       |
| trans-1,3-Dichloropropene | <0.36       |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:02 | 1       |
| <b>Trichloroethene</b>    | <b>0.66</b> |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Trichlorofluoromethane    | <0.43       |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Vinyl chloride            | <0.20       |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 14:02 | 1       |
| Xylenes, Total            | <0.22       |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 14:02 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 75 - 126 |          | 05/07/24 14:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 72 - 124 |          | 05/07/24 14:02 | 1       |
| Dibromofluoromethane (Surr)  | 111       |           | 75 - 120 |          | 05/07/24 14:02 | 1       |
| Toluene-d8 (Surr)            | 116       |           | 75 - 120 |          | 05/07/24 14:02 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-4D2-202404

Lab Sample ID: 500-249662-4

Date Collected: 04/24/24 15:24

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 14:25 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 14:25 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:25 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 14:25 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 14:25 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 14:25 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:25 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-4D2-202404

Lab Sample ID: 500-249662-4

Date Collected: 04/24/24 15:24

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 14:25 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 14:25 | 1       |
| n-Butylbenzene            | <0.39  | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 14:25 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:25 | 1       |
| o-Xylene                  | <0.22  | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 14:25 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:25 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:25 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Tetrahydrofuran           | <1.9   |           | 10   | 1.9  | ug/L |   |          | 05/07/24 14:25 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 14:25 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:25 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Trichloroethene           | <0.16  |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 14:25 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 14:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 75 - 126 |          | 05/07/24 14:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 72 - 124 |          | 05/07/24 14:25 | 1       |
| Dibromofluoromethane (Surr)  | 122       | X         | 75 - 120 |          | 05/07/24 14:25 | 1       |
| Toluene-d8 (Surr)            | 115       |           | 75 - 120 |          | 05/07/24 14:25 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5S-202404

Lab Sample ID: 500-249662-5

Date Collected: 04/23/24 15:33

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result  | Qualifier | LOQ    | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| PCB-1016 | <0.0045 |           | 0.0095 | 0.0045 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| PCB-1221 | <0.0054 |           | 0.0095 | 0.0054 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| PCB-1232 | <0.0050 |           | 0.0095 | 0.0050 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| PCB-1242 | <0.0034 |           | 0.0095 | 0.0034 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| PCB-1248 | <0.0076 |           | 0.0095 | 0.0076 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| PCB-1254 | <0.0043 |           | 0.0095 | 0.0043 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| PCB-1260 | <0.0037 |           | 0.0095 | 0.0037 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:06 | 1       |

| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) | 87        | ^c        | 53 - 129 | 04/30/24 21:55 | 05/01/24 18:06 | 1       |
| Tetrachloro-m-xylene (Surr)   | 83        |           | 58 - 125 | 04/30/24 21:55 | 05/01/24 18:06 | 1       |

## General Chemistry

| Analyte                           | Result | Qualifier | LOQ  | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids (SM 2540C) | 590    |           | 10.0 | 4.3 | mg/L |   |          | 04/30/24 02:15 | 1       |
| Total Suspended Solids (SM 2540D) | <1.9   |           | 5.0  | 1.9 | mg/L |   |          | 04/29/24 16:31 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5D-202404

Lab Sample ID: 500-249662-6

Date Collected: 04/23/24 16:45

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 17:08 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 17:08 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 17:08 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 17:08 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/05/24 17:08 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Chloroform                            | 0.52   | J         | 2.0  | 0.37 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 17:08 | 1       |
| cis-1,2-Dichloroethene                | 2.3    |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 17:08 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5D-202404

Lab Sample ID: 500-249662-6

Date Collected: 04/23/24 16:45

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 17:08 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 17:08 | 1       |
| n-Butylbenzene            | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 17:08 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 17:08 | 1       |
| o-Xylene                  | <0.22  |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 17:08 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 17:08 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 17:08 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Tetrahydrofuran           | <1.9   | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 17:08 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 17:08 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 17:08 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Trichloroethene           | 3.1    |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 17:08 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 17:08 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 75 - 126 |          | 05/05/24 17:08 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 72 - 124 |          | 05/05/24 17:08 | 1       |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 120 |          | 05/05/24 17:08 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 75 - 120 |          | 05/05/24 17:08 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 240    |           | 10  | 3.7 | ug/L |   |          | 05/06/24 14:42 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 75 - 126 |          | 05/06/24 14:42 | 10      |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 72 - 124 |          | 05/06/24 14:42 | 10      |
| Dibromofluoromethane (Surr)  | 111       |           | 75 - 120 |          | 05/06/24 14:42 | 10      |
| Toluene-d8 (Surr)            | 100       |           | 75 - 120 |          | 05/06/24 14:42 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5D2-202404

Lab Sample ID: 500-249662-7

Date Collected: 04/23/24 17:47

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <2.3   |           | 5.0 | 2.3  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1,1-Trichloroethane                 | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1,2,2-Tetrachloroethane             | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <2.3   |           | 5.0 | 2.3  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1,2-Trichloroethane                 | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1-Dichloroethane                    | <2.1   |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1-Dichloroethene                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,1-Dichloropropene                   | <1.5   |           | 5.0 | 1.5  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2,3-Trichlorobenzene                | <2.3   |           | 5.0 | 2.3  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2,3-Trichloropropane                | <2.1   |           | 10  | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2,4-Trichlorobenzene                | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2,4-Trimethylbenzene                | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <10    |           | 25  | 10   | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2-Dibromoethane                     | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2-Dichlorobenzene                   | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2-Dichloroethane                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,2-Dichloropropane                   | <2.1   |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,3,5-Trimethylbenzene                | <1.3   |           | 5.0 | 1.3  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,3-Dichlorobenzene                   | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,3-Dichloropropane                   | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 1,4-Dichlorobenzene                   | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 2,2-Dichloropropane                   | <2.2   |           | 25  | 2.2  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 2-Butanone (MEK)                      | <11    | ^c        | 25  | 11   | ug/L |   |          | 05/05/24 17:32 | 5       |
| 2-Chlorotoluene                       | <1.6   |           | 5.0 | 1.6  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 2-Hexanone                            | <7.8   | ^c        | 25  | 7.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 4-Chlorotoluene                       | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 05/05/24 17:32 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <11    | ^c        | 25  | 11   | ug/L |   |          | 05/05/24 17:32 | 5       |
| Acetone                               | <8.7   | ^c        | 50  | 8.7  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Benzene                               | <0.73  |           | 2.5 | 0.73 | ug/L |   |          | 05/05/24 17:32 | 5       |
| Bromobenzene                          | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Bromochloromethane                    | <2.1   |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Bromodichloromethane                  | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Bromoform                             | <2.4   |           | 5.0 | 2.4  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Bromomethane                          | <4.0   | ^c        | 15  | 4.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Carbon disulfide                      | <2.2   |           | 10  | 2.2  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Carbon tetrachloride                  | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Chlorobenzene                         | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Chloroethane                          | <2.5   |           | 25  | 2.5  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Chloroform                            | 4.6    | J         | 10  | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Chloromethane                         | <1.6   |           | 25  | 1.6  | ug/L |   |          | 05/05/24 17:32 | 5       |
| cis-1,2-Dichloroethene                | 15     |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| cis-1,3-Dichloropropene               | <2.1   |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Dibromochloromethane                  | <2.4   |           | 5.0 | 2.4  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Dibromomethane                        | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Dichlorodifluoromethane               | <3.4   |           | 15  | 3.4  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Diisopropyl ether                     | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Ethylbenzene                          | <0.92  |           | 2.5 | 0.92 | ug/L |   |          | 05/05/24 17:32 | 5       |
| Hexachlorobutadiene                   | <2.2   |           | 5.0 | 2.2  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Isopropylbenzene                      | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5D2-202404

Lab Sample ID: 500-249662-7

Date Collected: 04/23/24 17:47

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier     | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|---------------|-----|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.91      |               | 5.0 | 0.91 | ug/L |   |          | 05/05/24 17:32 | 5       |
| Methyl tert-butyl ether   | <2.0       |               | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Methylene Chloride        | <8.2       |               | 25  | 8.2  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Naphthalene               | <1.7       |               | 5.0 | 1.7  | ug/L |   |          | 05/05/24 17:32 | 5       |
| n-Butylbenzene            | <1.9       |               | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| n-Hexane                  | <2.5       | ^c            | 5.0 | 2.5  | ug/L |   |          | 05/05/24 17:32 | 5       |
| N-Propylbenzene           | <2.1       |               | 5.0 | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| o-Xylene                  | <1.1       |               | 2.5 | 1.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| p-Isopropyltoluene        | <1.8       |               | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| sec-Butylbenzene          | <2.0       |               | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Styrene                   | <1.9       |               | 5.0 | 1.9  | ug/L |   |          | 05/05/24 17:32 | 5       |
| tert-Butylbenzene         | <2.0       |               | 5.0 | 2.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| <b>Tetrahydrofuran</b>    | <b>9.4</b> | <b>J B ^c</b> | 50  | 9.4  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Toluene                   | <0.76      |               | 2.5 | 0.76 | ug/L |   |          | 05/05/24 17:32 | 5       |
| trans-1,2-Dichloroethene  | <1.7       |               | 5.0 | 1.7  | ug/L |   |          | 05/05/24 17:32 | 5       |
| trans-1,3-Dichloropropene | <1.8       |               | 5.0 | 1.8  | ug/L |   |          | 05/05/24 17:32 | 5       |
| <b>Trichloroethene</b>    | <b>42</b>  |               | 2.5 | 0.82 | ug/L |   |          | 05/05/24 17:32 | 5       |
| Trichlorofluoromethane    | <2.1       |               | 5.0 | 2.1  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Vinyl chloride            | <1.0       |               | 5.0 | 1.0  | ug/L |   |          | 05/05/24 17:32 | 5       |
| Xylenes, Total            | <1.1       |               | 5.0 | 1.1  | ug/L |   |          | 05/05/24 17:32 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 75 - 126 |          | 05/05/24 17:32 | 5       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 72 - 124 |          | 05/05/24 17:32 | 5       |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 120 |          | 05/05/24 17:32 | 5       |
| Toluene-d8 (Surr)            | 106       |           | 75 - 120 |          | 05/05/24 17:32 | 5       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte                  | Result      | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|-------------|-----------|-----|-----|------|---|----------|----------------|---------|
| <b>Tetrachloroethene</b> | <b>4200</b> |           | 50  | 19  | ug/L |   |          | 05/05/24 17:57 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 75 - 126 |          | 05/05/24 17:57 | 50      |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 72 - 124 |          | 05/05/24 17:57 | 50      |
| Dibromofluoromethane (Surr)  | 110       |           | 75 - 120 |          | 05/05/24 17:57 | 50      |
| Toluene-d8 (Surr)            | 105       |           | 75 - 120 |          | 05/05/24 17:57 | 50      |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5D3-202404

Lab Sample ID: 500-249662-8

Date Collected: 04/23/24 16:18

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 11:26 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 11:26 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:26 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 11:26 | 1       |
| Acetone                               | <1.7   | F1 ^c F2  | 10   | 1.7  | ug/L |   |          | 05/05/24 11:26 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 11:26 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:26 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-5D3-202404

Lab Sample ID: 500-249662-8

Date Collected: 04/23/24 16:18

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 11:26 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 11:26 | 1       |
| n-Butylbenzene            | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 11:26 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:26 | 1       |
| o-Xylene                  | <0.22  |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 11:26 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:26 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:26 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Tetrahydrofuran           | <1.9   | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 11:26 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 11:26 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:26 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Trichloroethene           | <0.16  |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 11:26 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 11:26 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 75 - 126 |          | 05/05/24 11:26 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 72 - 124 |          | 05/05/24 11:26 | 1       |
| Dibromofluoromethane (Surr)  | 107       |           | 75 - 120 |          | 05/05/24 11:26 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 75 - 120 |          | 05/05/24 11:26 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-6D-202404

Lab Sample ID: 500-249662-9

Date Collected: 04/24/24 14:19

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2,4-Trimethylbenzene                | 1.2    |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 14:48 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 14:48 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:48 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 14:48 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 14:48 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 14:48 | 1       |
| cis-1,2-Dichloroethene                | 4.7    |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:48 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Ethylbenzene                          | 16     |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Isopropylbenzene                      | 12     |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| m-Xylene & p-Xylene                   | 3.6    |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 14:48 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-6D-202404

Lab Sample ID: 500-249662-9

Date Collected: 04/24/24 14:19

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Methylene Chloride        | <1.6        |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>Naphthalene</b>        | <b>3.0</b>  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 14:48 | 1       |
| n-Butylbenzene            | <0.39       | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| n-Hexane                  | <0.49       | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>N-Propylbenzene</b>    | <b>5.9</b>  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 14:48 | 1       |
| o-Xylene                  | <0.22       | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>p-Isopropyltoluene</b> | <b>1.3</b>  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>sec-Butylbenzene</b>   | <b>2.0</b>  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>Styrene</b>            | <b>0.63</b> | J         | 1.0  | 0.39 | ug/L |   |          | 05/07/24 14:48 | 1       |
| tert-Butylbenzene         | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Tetrachloroethene         | <0.37       |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Tetrahydrofuran           | <1.9        |           | 10   | 1.9  | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>Toluene</b>            | <b>7.6</b>  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 14:48 | 1       |
| trans-1,2-Dichloroethene  | <0.35       |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 14:48 | 1       |
| trans-1,3-Dichloropropene | <0.36       |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>Trichloroethene</b>    | <b>5.7</b>  |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Trichlorofluoromethane    | <0.43       |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 14:48 | 1       |
| Vinyl chloride            | <0.20       |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 14:48 | 1       |
| <b>Xylenes, Total</b>     | <b>3.6</b>  |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 14:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 90        |           | 75 - 126 |          | 05/07/24 14:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 72 - 124 |          | 05/07/24 14:48 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 75 - 120 |          | 05/07/24 14:48 | 1       |
| Toluene-d8 (Surr)            | 117       |           | 75 - 120 |          | 05/07/24 14:48 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte        | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| <b>Benzene</b> | <b>190</b> |           | 5.0 | 1.5 | ug/L |   |          | 05/07/24 15:11 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 75 - 126 |          | 05/07/24 15:11 | 10      |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 72 - 124 |          | 05/07/24 15:11 | 10      |
| Dibromofluoromethane (Surr)  | 114       |           | 75 - 120 |          | 05/07/24 15:11 | 10      |
| Toluene-d8 (Surr)            | 117       |           | 75 - 120 |          | 05/07/24 15:11 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-9D2-202404

Lab Sample ID: 500-249662-10

Date Collected: 04/24/24 14:46

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 15:34 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 15:34 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 15:34 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 15:34 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 15:34 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 15:34 | 1       |
| cis-1,2-Dichloroethene                | 74     |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 15:34 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-9D2-202404

Lab Sample ID: 500-249662-10

Date Collected: 04/24/24 14:46

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                        | Result      | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene            | <0.18       |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 15:34 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>5.6</b>  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Methylene Chloride             | <1.6        |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 15:34 | 1       |
| Naphthalene                    | <0.34       |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 15:34 | 1       |
| n-Butylbenzene                 | <0.39       | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| n-Hexane                       | <0.49       | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 15:34 | 1       |
| N-Propylbenzene                | <0.41       |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 15:34 | 1       |
| o-Xylene                       | <0.22       | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 15:34 | 1       |
| p-Isopropyltoluene             | <0.36       |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 15:34 | 1       |
| sec-Butylbenzene               | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Styrene                        | <0.39       |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 15:34 | 1       |
| tert-Butylbenzene              | <0.40       |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 15:34 | 1       |
| <b>Tetrachloroethene</b>       | <b>270</b>  | <b>E</b>  | 1.0  | 0.37 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Tetrahydrofuran                | <1.9        |           | 10   | 1.9  | ug/L |   |          | 05/07/24 15:34 | 1       |
| Toluene                        | <0.15       |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 15:34 | 1       |
| trans-1,2-Dichloroethene       | <0.35       |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 15:34 | 1       |
| trans-1,3-Dichloropropene      | <0.36       |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 15:34 | 1       |
| <b>Trichloroethene</b>         | <b>46</b>   |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Trichlorofluoromethane         | <0.43       |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 15:34 | 1       |
| <b>Vinyl chloride</b>          | <b>0.71</b> | <b>J</b>  | 1.0  | 0.20 | ug/L |   |          | 05/07/24 15:34 | 1       |
| Xylenes, Total                 | <0.22       |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 15:34 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 115       |           | 75 - 126 |          | 05/07/24 15:34 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 72 - 124 |          | 05/07/24 15:34 | 1       |
| Dibromofluoromethane (Surr)  | 128       | X         | 75 - 120 |          | 05/07/24 15:34 | 1       |
| Toluene-d8 (Surr)            | 114       |           | 75 - 120 |          | 05/07/24 15:34 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte                  | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| <b>Tetrachloroethene</b> | <b>170</b> |           | 10  | 3.7 | ug/L |   |          | 05/07/24 15:57 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 75 - 126 |          | 05/07/24 15:57 | 10      |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 72 - 124 |          | 05/07/24 15:57 | 10      |
| Dibromofluoromethane (Surr)  | 114       |           | 75 - 120 |          | 05/07/24 15:57 | 10      |
| Toluene-d8 (Surr)            | 121       | X         | 75 - 120 |          | 05/07/24 15:57 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-17-202404

Lab Sample ID: 500-249662-11

Date Collected: 04/24/24 12:11

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 16:20 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 16:20 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 16:20 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 16:20 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 16:20 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 16:20 | 1       |
| cis-1,2-Dichloroethene                | 3.9    |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 16:20 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-17-202404

Lab Sample ID: 500-249662-11

Date Collected: 04/24/24 12:11

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 16:20 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 16:20 | 1       |
| n-Butylbenzene            | <0.39  | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 16:20 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 16:20 | 1       |
| o-Xylene                  | <0.22  | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 16:20 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 16:20 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 16:20 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Tetrahydrofuran           | <1.9   |           | 10   | 1.9  | ug/L |   |          | 05/07/24 16:20 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 16:20 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 16:20 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Trichloroethene           | 14     |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 16:20 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 16:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 75 - 126 |          | 05/07/24 16:20 | 1       |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 72 - 124 |          | 05/07/24 16:20 | 1       |
| Dibromofluoromethane (Surr)  | 110       |           | 75 - 120 |          | 05/07/24 16:20 | 1       |
| Toluene-d8 (Surr)            | 114       |           | 75 - 120 |          | 05/07/24 16:20 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 310    |           | 10  | 3.7 | ug/L |   |          | 05/07/24 16:43 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 75 - 126 |          | 05/07/24 16:43 | 10      |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 72 - 124 |          | 05/07/24 16:43 | 10      |
| Dibromofluoromethane (Surr)  | 119       |           | 75 - 120 |          | 05/07/24 16:43 | 10      |
| Toluene-d8 (Surr)            | 115       |           | 75 - 120 |          | 05/07/24 16:43 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-25D2-202404

Lab Sample ID: 500-249662-12

Date Collected: 04/23/24 11:45

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 11:50 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 11:50 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:50 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 11:50 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/05/24 11:50 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 11:50 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:50 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-25D2-202404

Lab Sample ID: 500-249662-12

Date Collected: 04/23/24 11:45

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 11:50 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 11:50 | 1       |
| n-Butylbenzene            | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 11:50 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:50 | 1       |
| o-Xylene                  | <0.22  |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 11:50 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:50 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:50 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Tetrahydrofuran           | <1.9   | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 11:50 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 11:50 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:50 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Trichloroethene           | <0.16  |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 11:50 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 11:50 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 75 - 126 |          | 05/05/24 11:50 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 72 - 124 |          | 05/05/24 11:50 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 75 - 120 |          | 05/05/24 11:50 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 75 - 120 |          | 05/05/24 11:50 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-27D-202404

Lab Sample ID: 500-249662-13

Date Collected: 04/23/24 13:35

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 12:14 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 12:14 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 12:14 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 12:14 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/05/24 12:14 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 12:14 | 1       |
| cis-1,2-Dichloroethene                | 0.50   | J         | 1.0  | 0.41 | ug/L |   |          | 05/05/24 12:14 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MW-27D-202404

Lab Sample ID: 500-249662-13

Date Collected: 04/23/24 13:35

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 12:14 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 12:14 | 1       |
| n-Butylbenzene            | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 12:14 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 12:14 | 1       |
| o-Xylene                  | <0.22  |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 12:14 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:14 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:14 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Tetrahydrofuran           | <1.9   | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 12:14 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 12:14 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 12:14 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Trichloroethene           | 1.9    |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 12:14 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 12:14 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 75 - 126 |          | 05/05/24 12:14 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 72 - 124 |          | 05/05/24 12:14 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 75 - 120 |          | 05/05/24 12:14 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 75 - 120 |          | 05/05/24 12:14 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MP-14 (135-140)-202404

Lab Sample ID: 500-249662-14

Date Collected: 04/22/24 15:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 12:39 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 12:39 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 12:39 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 12:39 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/05/24 12:39 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 12:39 | 1       |
| cis-1,2-Dichloroethene                | 0.84   | J         | 1.0  | 0.41 | ug/L |   |          | 05/05/24 12:39 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MP-14 (135-140)-202404

Lab Sample ID: 500-249662-14

Date Collected: 04/22/24 15:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18      |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Methyl tert-butyl ether   | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Methylene Chloride        | <1.6       |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 12:39 | 1       |
| Naphthalene               | <0.34      |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 12:39 | 1       |
| n-Butylbenzene            | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| n-Hexane                  | <0.49      | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 12:39 | 1       |
| N-Propylbenzene           | <0.41      |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 12:39 | 1       |
| o-Xylene                  | <0.22      |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 12:39 | 1       |
| p-Isopropyltoluene        | <0.36      |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:39 | 1       |
| sec-Butylbenzene          | <0.40      |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Styrene                   | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 12:39 | 1       |
| tert-Butylbenzene         | <0.40      |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 12:39 | 1       |
| <b>Tetrachloroethene</b>  | <b>32</b>  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Tetrahydrofuran           | <1.9       | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 12:39 | 1       |
| Toluene                   | <0.15      |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 12:39 | 1       |
| trans-1,2-Dichloroethene  | <0.35      |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 12:39 | 1       |
| trans-1,3-Dichloropropene | <0.36      |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 12:39 | 1       |
| <b>Trichloroethene</b>    | <b>1.8</b> |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Trichlorofluoromethane    | <0.43      |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Vinyl chloride            | <0.20      |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 12:39 | 1       |
| Xylenes, Total            | <0.22      |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 12:39 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 75 - 126 |          | 05/05/24 12:39 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 72 - 124 |          | 05/05/24 12:39 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 75 - 120 |          | 05/05/24 12:39 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 75 - 120 |          | 05/05/24 12:39 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MP-16 (140-144)-202404

Lab Sample ID: 500-249662-15

Date Collected: 04/22/24 14:05

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 11:01 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 11:01 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:01 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 11:01 | 1       |
| Acetone                               | 1.9    | J ^c      | 10   | 1.7  | ug/L |   |          | 05/05/24 11:01 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 11:01 | 1       |
| cis-1,2-Dichloroethene                | 0.95   | J         | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:01 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: MP-16 (140-144)-202404

Lab Sample ID: 500-249662-15

Date Collected: 04/22/24 14:05

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18      |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Methyl tert-butyl ether   | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Methylene Chloride        | <1.6       |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 11:01 | 1       |
| Naphthalene               | <0.34      |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 11:01 | 1       |
| n-Butylbenzene            | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| n-Hexane                  | <0.49      | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 11:01 | 1       |
| N-Propylbenzene           | <0.41      |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 11:01 | 1       |
| o-Xylene                  | <0.22      |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 11:01 | 1       |
| p-Isopropyltoluene        | <0.36      |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:01 | 1       |
| sec-Butylbenzene          | <0.40      |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Styrene                   | <0.39      |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 11:01 | 1       |
| tert-Butylbenzene         | <0.40      |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 11:01 | 1       |
| <b>Tetrachloroethene</b>  | <b>42</b>  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Tetrahydrofuran           | <1.9       | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 11:01 | 1       |
| Toluene                   | <0.15      |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 11:01 | 1       |
| trans-1,2-Dichloroethene  | <0.35      |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 11:01 | 1       |
| trans-1,3-Dichloropropene | <0.36      |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 11:01 | 1       |
| <b>Trichloroethene</b>    | <b>5.8</b> |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Trichlorofluoromethane    | <0.43      |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Vinyl chloride            | <0.20      |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 11:01 | 1       |
| Xylenes, Total            | <0.22      |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 11:01 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 75 - 126 |          | 05/05/24 11:01 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 72 - 124 |          | 05/05/24 11:01 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 75 - 120 |          | 05/05/24 11:01 | 1       |
| Toluene-d8 (Surr)            | 109       |           | 75 - 120 |          | 05/05/24 11:01 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: DUP-01-202404

Lab Sample ID: 500-249662-16

Date Collected: 04/23/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result  | Qualifier | LOQ    | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| PCB-1016 | <0.0045 |           | 0.0095 | 0.0045 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| PCB-1221 | <0.0054 |           | 0.0095 | 0.0054 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| PCB-1232 | <0.0050 |           | 0.0095 | 0.0050 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| PCB-1242 | <0.0034 |           | 0.0095 | 0.0034 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| PCB-1248 | <0.0076 |           | 0.0095 | 0.0076 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| PCB-1254 | <0.0043 |           | 0.0095 | 0.0043 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| PCB-1260 | <0.0037 |           | 0.0095 | 0.0037 | ug/L |   | 04/30/24 21:55 | 05/01/24 18:25 | 1       |

| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) | 83        | ^c        | 53 - 129 | 04/30/24 21:55 | 05/01/24 18:25 | 1       |
| Tetrachloro-m-xylene (Surr)   | 85        |           | 58 - 125 | 04/30/24 21:55 | 05/01/24 18:25 | 1       |

## General Chemistry

| Analyte                           | Result | Qualifier | LOQ  | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids (SM 2540C) | 588    |           | 10.0 | 4.3 | mg/L |   |          | 04/30/24 02:18 | 1       |
| Total Suspended Solids (SM 2540D) | <1.9   |           | 5.0  | 1.9 | mg/L |   |          | 04/29/24 16:33 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: DUP-02-202404

Lab Sample ID: 500-249662-17

Date Collected: 04/23/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result       | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <2.3         |           | 5.0 | 2.3  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,1,1-Trichloroethane                 | <1.9         |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,1,2,2-Tetrachloroethane             | <2.0         |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <2.3         |           | 5.0 | 2.3  | ug/L |   |          | 05/05/24 18:21 | 5       |
| <b>1,1,2-Trichloroethane</b>          | <b>35</b>    |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,1-Dichloroethane                    | <2.1         |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,1-Dichloroethene                    | <2.0         |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,1-Dichloropropene                   | <1.5         |           | 5.0 | 1.5  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2,3-Trichlorobenzene                | <2.3         |           | 5.0 | 2.3  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2,3-Trichloropropane                | <2.1         |           | 10  | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2,4-Trichlorobenzene                | <1.7         |           | 5.0 | 1.7  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2,4-Trimethylbenzene                | <1.8         |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <10          |           | 25  | 10   | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2-Dibromoethane                     | <1.9         |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2-Dichlorobenzene                   | <1.7         |           | 5.0 | 1.7  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2-Dichloroethane                    | <2.0         |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,2-Dichloropropane                   | <2.1         |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,3,5-Trimethylbenzene                | <1.3         |           | 5.0 | 1.3  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,3-Dichlorobenzene                   | <2.0         |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,3-Dichloropropane                   | <1.8         |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 1,4-Dichlorobenzene                   | <1.8         |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 2,2-Dichloropropane                   | <2.2         |           | 25  | 2.2  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 2-Butanone (MEK)                      | <11          | ^c        | 25  | 11   | ug/L |   |          | 05/05/24 18:21 | 5       |
| 2-Chlorotoluene                       | <1.6         |           | 5.0 | 1.6  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 2-Hexanone                            | <7.8         | ^c        | 25  | 7.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 4-Chlorotoluene                       | <1.7         |           | 5.0 | 1.7  | ug/L |   |          | 05/05/24 18:21 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <11          | ^c        | 25  | 11   | ug/L |   |          | 05/05/24 18:21 | 5       |
| Acetone                               | <8.7         | ^c        | 50  | 8.7  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Benzene                               | <0.73        |           | 2.5 | 0.73 | ug/L |   |          | 05/05/24 18:21 | 5       |
| Bromobenzene                          | <1.8         |           | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Bromochloromethane                    | <2.1         |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Bromodichloromethane                  | <1.9         |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Bromoform                             | <2.4         |           | 5.0 | 2.4  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Bromomethane                          | <4.0         | ^c        | 15  | 4.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Carbon disulfide                      | <2.2         |           | 10  | 2.2  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Carbon tetrachloride                  | <1.9         |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Chlorobenzene                         | <1.9         |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Chloroethane                          | <2.5         |           | 25  | 2.5  | ug/L |   |          | 05/05/24 18:21 | 5       |
| <b>Chloroform</b>                     | <b>2.8 J</b> |           | 10  | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Chloromethane                         | <1.6         |           | 25  | 1.6  | ug/L |   |          | 05/05/24 18:21 | 5       |
| <b>cis-1,2-Dichloroethene</b>         | <b>14</b>    |           | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| cis-1,3-Dichloropropene               | <2.1         |           | 5.0 | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Dibromochloromethane                  | <2.4         |           | 5.0 | 2.4  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Dibromomethane                        | <1.4         |           | 5.0 | 1.4  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Dichlorodifluoromethane               | <3.4         |           | 15  | 3.4  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Diisopropyl ether                     | <1.4         |           | 5.0 | 1.4  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Ethylbenzene                          | <0.92        |           | 2.5 | 0.92 | ug/L |   |          | 05/05/24 18:21 | 5       |
| Hexachlorobutadiene                   | <2.2         |           | 5.0 | 2.2  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Isopropylbenzene                      | <1.9         |           | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: DUP-02-202404

Lab Sample ID: 500-249662-17

Date Collected: 04/23/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier     | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|---------------|-----|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.91      |               | 5.0 | 0.91 | ug/L |   |          | 05/05/24 18:21 | 5       |
| Methyl tert-butyl ether   | <2.0       |               | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Methylene Chloride        | <8.2       |               | 25  | 8.2  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Naphthalene               | <1.7       |               | 5.0 | 1.7  | ug/L |   |          | 05/05/24 18:21 | 5       |
| n-Butylbenzene            | <1.9       |               | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| n-Hexane                  | <2.5       | ^c            | 5.0 | 2.5  | ug/L |   |          | 05/05/24 18:21 | 5       |
| N-Propylbenzene           | <2.1       |               | 5.0 | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| o-Xylene                  | <1.1       |               | 2.5 | 1.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| p-Isopropyltoluene        | <1.8       |               | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| sec-Butylbenzene          | <2.0       |               | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Styrene                   | <1.9       |               | 5.0 | 1.9  | ug/L |   |          | 05/05/24 18:21 | 5       |
| tert-Butylbenzene         | <2.0       |               | 5.0 | 2.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| <b>Tetrahydrofuran</b>    | <b>9.7</b> | <b>J ^c B</b> | 50  | 9.4  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Toluene                   | <0.76      |               | 2.5 | 0.76 | ug/L |   |          | 05/05/24 18:21 | 5       |
| trans-1,2-Dichloroethene  | <1.7       |               | 5.0 | 1.7  | ug/L |   |          | 05/05/24 18:21 | 5       |
| trans-1,3-Dichloropropene | <1.8       |               | 5.0 | 1.8  | ug/L |   |          | 05/05/24 18:21 | 5       |
| <b>Trichloroethene</b>    | <b>42</b>  |               | 2.5 | 0.82 | ug/L |   |          | 05/05/24 18:21 | 5       |
| Trichlorofluoromethane    | <2.1       |               | 5.0 | 2.1  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Vinyl chloride            | <1.0       |               | 5.0 | 1.0  | ug/L |   |          | 05/05/24 18:21 | 5       |
| Xylenes, Total            | <1.1       |               | 5.0 | 1.1  | ug/L |   |          | 05/05/24 18:21 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 75 - 126 |          | 05/05/24 18:21 | 5       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 72 - 124 |          | 05/05/24 18:21 | 5       |
| Dibromofluoromethane (Surr)  | 110       |           | 75 - 120 |          | 05/05/24 18:21 | 5       |
| Toluene-d8 (Surr)            | 104       |           | 75 - 120 |          | 05/05/24 18:21 | 5       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte                  | Result      | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|-------------|-----------|-----|-----|------|---|----------|----------------|---------|
| <b>Tetrachloroethene</b> | <b>4300</b> |           | 50  | 19  | ug/L |   |          | 05/05/24 18:46 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 75 - 126 |          | 05/05/24 18:46 | 50      |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 72 - 124 |          | 05/05/24 18:46 | 50      |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 120 |          | 05/05/24 18:46 | 50      |
| Toluene-d8 (Surr)            | 105       |           | 75 - 120 |          | 05/05/24 18:46 | 50      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: DUP-03-202404

Lab Sample ID: 500-249662-18

Date Collected: 04/24/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 17:06 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 17:06 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 17:06 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 17:06 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 17:06 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 17:06 | 1       |
| cis-1,2-Dichloroethene                | 8.8    |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 17:06 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: DUP-03-202404

Lab Sample ID: 500-249662-18

Date Collected: 04/24/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 17:06 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 17:06 | 1       |
| n-Butylbenzene            | <0.39  | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 17:06 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 17:06 | 1       |
| o-Xylene                  | <0.22  | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 17:06 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:06 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:06 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Tetrahydrofuran           | <1.9   |           | 10   | 1.9  | ug/L |   |          | 05/07/24 17:06 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 17:06 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 17:06 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Trichloroethene           | 14     |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 17:06 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 17:06 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 75 - 126 |          | 05/07/24 17:06 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 72 - 124 |          | 05/07/24 17:06 | 1       |
| Dibromofluoromethane (Surr)  | 123       | X         | 75 - 120 |          | 05/07/24 17:06 | 1       |
| Toluene-d8 (Surr)            | 112       |           | 75 - 120 |          | 05/07/24 17:06 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 400    |           | 10  | 3.7 | ug/L |   |          | 05/07/24 17:29 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 75 - 126 |          | 05/07/24 17:29 | 10      |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 72 - 124 |          | 05/07/24 17:29 | 10      |
| Dibromofluoromethane (Surr)  | 122       | X         | 75 - 120 |          | 05/07/24 17:29 | 10      |
| Toluene-d8 (Surr)            | 115       |           | 75 - 120 |          | 05/07/24 17:29 | 10      |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: FB-01-202404

Lab Sample ID: 500-249662-19

Date Collected: 04/24/24 16:10

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   | ^c        | 5.0  | 2.0  | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 2-Butanone (MEK)                      | <2.1   |           | 5.0  | 2.1  | ug/L |   |          | 05/07/24 17:52 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/07/24 17:52 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 17:52 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   |           | 5.0  | 2.2  | ug/L |   |          | 05/07/24 17:52 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/07/24 17:52 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Bromomethane                          | <0.80  |           | 3.0  | 0.80 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/07/24 17:52 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 17:52 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Diisopropyl ether                     | <0.28  | ^c        | 1.0  | 0.28 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: FB-01-202404

Lab Sample ID: 500-249662-19

Date Collected: 04/24/24 16:10

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/07/24 17:52 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/07/24 17:52 | 1       |
| n-Butylbenzene            | <0.39  | ^c        | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/07/24 17:52 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/07/24 17:52 | 1       |
| o-Xylene                  | <0.22  | ^c        | 0.50 | 0.22 | ug/L |   |          | 05/07/24 17:52 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:52 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/07/24 17:52 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Tetrahydrofuran           | <1.9   |           | 10   | 1.9  | ug/L |   |          | 05/07/24 17:52 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/07/24 17:52 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/07/24 17:52 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Trichloroethene           | <0.16  |           | 0.50 | 0.16 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/07/24 17:52 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/07/24 17:52 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 75 - 126 |          | 05/07/24 17:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 72 - 124 |          | 05/07/24 17:52 | 1       |
| Dibromofluoromethane (Surr)  | 123       | X         | 75 - 120 |          | 05/07/24 17:52 | 1       |
| Toluene-d8 (Surr)            | 117       |           | 75 - 120 |          | 05/07/24 17:52 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-249662-20

Date Collected: 04/22/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1,1-Trichloroethane                 | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1,2-Trichloroethane                 | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1-Dichloroethane                    | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1-Dichloroethene                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,1-Dichloropropene                   | <0.30  |           | 1.0  | 0.30 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46  |           | 1.0  | 0.46 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2,3-Trichloropropane                | <0.41  |           | 2.0  | 0.41 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0   |           | 5.0  | 2.0  | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2-Dibromoethane                     | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2-Dichlorobenzene                   | <0.33  |           | 1.0  | 0.33 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2-Dichloroethane                    | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,2-Dichloropropane                   | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25  |           | 1.0  | 0.25 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,3-Dichlorobenzene                   | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,3-Dichloropropane                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 1,4-Dichlorobenzene                   | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 2,2-Dichloropropane                   | <0.44  |           | 5.0  | 0.44 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 2-Butanone (MEK)                      | <2.1   | ^c        | 5.0  | 2.1  | ug/L |   |          | 05/05/24 10:37 | 1       |
| 2-Chlorotoluene                       | <0.31  |           | 1.0  | 0.31 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 2-Hexanone                            | <1.6   | ^c        | 5.0  | 1.6  | ug/L |   |          | 05/05/24 10:37 | 1       |
| 4-Chlorotoluene                       | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 10:37 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2   | ^c        | 5.0  | 2.2  | ug/L |   |          | 05/05/24 10:37 | 1       |
| Acetone                               | <1.7   | ^c        | 10   | 1.7  | ug/L |   |          | 05/05/24 10:37 | 1       |
| Benzene                               | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Bromobenzene                          | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Bromochloromethane                    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Bromodichloromethane                  | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Bromoform                             | <0.48  |           | 1.0  | 0.48 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Bromomethane                          | <0.80  | ^c        | 3.0  | 0.80 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Carbon disulfide                      | <0.45  |           | 2.0  | 0.45 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Carbon tetrachloride                  | <0.38  |           | 1.0  | 0.38 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Chlorobenzene                         | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Chloroethane                          | <0.51  |           | 5.0  | 0.51 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Chloroform                            | <0.37  |           | 2.0  | 0.37 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Chloromethane                         | <0.32  |           | 5.0  | 0.32 | ug/L |   |          | 05/05/24 10:37 | 1       |
| cis-1,2-Dichloroethene                | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 10:37 | 1       |
| cis-1,3-Dichloropropene               | <0.42  |           | 1.0  | 0.42 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Dibromochloromethane                  | <0.49  |           | 1.0  | 0.49 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Dibromomethane                        | <0.27  |           | 1.0  | 0.27 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Dichlorodifluoromethane               | <0.67  |           | 3.0  | 0.67 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Diisopropyl ether                     | <0.28  |           | 1.0  | 0.28 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Ethylbenzene                          | <0.18  |           | 0.50 | 0.18 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Hexachlorobutadiene                   | <0.45  |           | 1.0  | 0.45 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Isopropylbenzene                      | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-249662-20

Date Collected: 04/22/24 00:00

Matrix: Water

Date Received: 04/27/24 09:35

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| m-Xylene & p-Xylene       | <0.18  |           | 1.0  | 0.18 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Methyl tert-butyl ether   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Methylene Chloride        | <1.6   |           | 5.0  | 1.6  | ug/L |   |          | 05/05/24 10:37 | 1       |
| Naphthalene               | <0.34  |           | 1.0  | 0.34 | ug/L |   |          | 05/05/24 10:37 | 1       |
| n-Butylbenzene            | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| n-Hexane                  | <0.49  | ^c        | 1.0  | 0.49 | ug/L |   |          | 05/05/24 10:37 | 1       |
| N-Propylbenzene           | <0.41  |           | 1.0  | 0.41 | ug/L |   |          | 05/05/24 10:37 | 1       |
| o-Xylene                  | <0.22  |           | 0.50 | 0.22 | ug/L |   |          | 05/05/24 10:37 | 1       |
| p-Isopropyltoluene        | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:37 | 1       |
| sec-Butylbenzene          | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Styrene                   | <0.39  |           | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:37 | 1       |
| tert-Butylbenzene         | <0.40  |           | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Tetrachloroethene         | <0.37  |           | 1.0  | 0.37 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Tetrahydrofuran           | <1.9   | ^c        | 10   | 1.9  | ug/L |   |          | 05/05/24 10:37 | 1       |
| Toluene                   | <0.15  |           | 0.50 | 0.15 | ug/L |   |          | 05/05/24 10:37 | 1       |
| trans-1,2-Dichloroethene  | <0.35  |           | 1.0  | 0.35 | ug/L |   |          | 05/05/24 10:37 | 1       |
| trans-1,3-Dichloropropene | <0.36  |           | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Trichloroethene           | <0.16  |           | 0.50 | 0.16 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Trichlorofluoromethane    | <0.43  |           | 1.0  | 0.43 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Vinyl chloride            | <0.20  |           | 1.0  | 0.20 | ug/L |   |          | 05/05/24 10:37 | 1       |
| Xylenes, Total            | <0.22  |           | 1.0  | 0.22 | ug/L |   |          | 05/05/24 10:37 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 75 - 126 |          | 05/05/24 10:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 72 - 124 |          | 05/05/24 10:37 | 1       |
| Dibromofluoromethane (Surr)  | 107       |           | 75 - 120 |          | 05/05/24 10:37 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 75 - 120 |          | 05/05/24 10:37 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

### Qualifiers

#### GC/MS VOA

| Qualifier      | Qualifier Description                                                            |
|----------------|----------------------------------------------------------------------------------|
| <sup>^</sup> c | CCV Recovery is outside acceptance limits.                                       |
| B              | Compound was found in the blank and sample.                                      |
| E              | Result exceeded calibration range.                                               |
| F1             | MS and/or MSD recovery exceeds control limits.                                   |
| F2             | MS/MSD RPD exceeds control limits                                                |
| J              | Reported value was between the limit of detection and the limit of quantitation. |
| X              | Surrogate recovery exceeds control limits                                        |

#### GC Semi VOA

| Qualifier      | Qualifier Description                      |
|----------------|--------------------------------------------|
| <sup>^</sup> c | CCV Recovery is outside acceptance limits. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## GC/MS VOA

### Analysis Batch: 766401

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 500-249662-6       | MW-5D-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-7       | MW-5D2-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-7 - DL  | MW-5D2-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-8       | MW-5D3-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-12      | MW-25D2-202404         | Total/NA  | Water  | 8260D  |            |
| 500-249662-13      | MW-27D-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-14      | MP-14 (135-140)-202404 | Total/NA  | Water  | 8260D  |            |
| 500-249662-15      | MP-16 (140-144)-202404 | Total/NA  | Water  | 8260D  |            |
| 500-249662-17      | DUP-02-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-17 - DL | DUP-02-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-20      | TRIP BLANK             | Total/NA  | Water  | 8260D  |            |
| MB 500-766401/8    | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 500-766401/4   | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| 500-249662-8 MS    | MW-5D3-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-8 MSD   | MW-5D3-202404          | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 766510

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 500-249662-6 - DL | MW-5D-202404       | Total/NA  | Water  | 8260D  |            |
| MB 500-766510/7   | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 500-766510/4  | Lab Control Sample | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 766671

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 500-249662-1       | MW-2D-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-2       | MW-3D-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-2 - DL  | MW-3D-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-3       | MW-3D2-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-4       | MW-4D2-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-9       | MW-6D-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-9 - DL  | MW-6D-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-10      | MW-9D2-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-10 - DL | MW-9D2-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-11      | MW-17-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-11 - DL | MW-17-202404           | Total/NA  | Water  | 8260D  |            |
| 500-249662-18      | DUP-03-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-18 - DL | DUP-03-202404          | Total/NA  | Water  | 8260D  |            |
| 500-249662-19      | FB-01-202404           | Total/NA  | Water  | 8260D  |            |
| MB 500-766671/9    | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 500-766671/5   | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 500-766671/6  | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |

## GC Semi VOA

### Prep Batch: 466996

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-249662-5        | MW-5S-202404           | Total/NA  | Water  | 3510C  |            |
| 500-249662-16       | DUP-01-202404          | Total/NA  | Water  | 3510C  |            |
| MB 180-466996/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 180-466996/4-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 180-466996/5-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

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## QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

### GC Semi VOA

#### Analysis Batch: 467006

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 500-249662-5        | MW-5S-202404           | Total/NA  | Water  | EPA 8082A | 466996     |
| 500-249662-16       | DUP-01-202404          | Total/NA  | Water  | EPA 8082A | 466996     |
| MB 180-466996/1-A   | Method Blank           | Total/NA  | Water  | EPA 8082A | 466996     |
| LCS 180-466996/4-A  | Lab Control Sample     | Total/NA  | Water  | EPA 8082A | 466996     |
| LCSD 180-466996/5-A | Lab Control Sample Dup | Total/NA  | Water  | EPA 8082A | 466996     |

### General Chemistry

#### Analysis Batch: 765473

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 500-249662-5     | MW-5S-202404       | Total/NA  | Water  | SM 2540D |            |
| 500-249662-16    | DUP-01-202404      | Total/NA  | Water  | SM 2540D |            |
| MB 500-765473/1  | Method Blank       | Total/NA  | Water  | SM 2540D |            |
| LCS 500-765473/2 | Lab Control Sample | Total/NA  | Water  | SM 2540D |            |
| 500-249662-5 DU  | MW-5S-202404       | Total/NA  | Water  | SM 2540D |            |

#### Analysis Batch: 765503

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 500-249662-5     | MW-5S-202404       | Total/NA  | Water  | SM 2540C |            |
| 500-249662-16    | DUP-01-202404      | Total/NA  | Water  | SM 2540C |            |
| MB 500-765503/1  | Method Blank       | Total/NA  | Water  | SM 2540C |            |
| LCS 500-765503/2 | Lab Control Sample | Total/NA  | Water  | SM 2540C |            |



# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|--------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                    |                        | DCA<br>(75-126)                                | BFB<br>(72-124) | DBFM<br>(75-120) | TOL<br>(75-120) |
| 500-249662-1       | MW-2D-202404           | 108                                            | 106             | 109              | 120             |
| 500-249662-2       | MW-3D-202404           | 97                                             | 102             | 110              | 110             |
| 500-249662-2 - DL  | MW-3D-202404           | 100                                            | 107             | 108              | 121 X           |
| 500-249662-3       | MW-3D2-202404          | 98                                             | 98              | 111              | 116             |
| 500-249662-4       | MW-4D2-202404          | 107                                            | 97              | 122 X            | 115             |
| 500-249662-6       | MW-5D-202404           | 109                                            | 103             | 109              | 106             |
| 500-249662-6 - DL  | MW-5D-202404           | 104                                            | 103             | 111              | 100             |
| 500-249662-7       | MW-5D2-202404          | 111                                            | 103             | 109              | 106             |
| 500-249662-7 - DL  | MW-5D2-202404          | 111                                            | 104             | 110              | 105             |
| 500-249662-8       | MW-5D3-202404          | 109                                            | 99              | 107              | 105             |
| 500-249662-8 MS    | MW-5D3-202404          | 108                                            | 99              | 108              | 105             |
| 500-249662-8 MSD   | MW-5D3-202404          | 108                                            | 100             | 106              | 104             |
| 500-249662-9       | MW-6D-202404           | 90                                             | 91              | 101              | 117             |
| 500-249662-9 - DL  | MW-6D-202404           | 104                                            | 92              | 114              | 117             |
| 500-249662-10      | MW-9D2-202404          | 115                                            | 89              | 128 X            | 114             |
| 500-249662-10 - DL | MW-9D2-202404          | 98                                             | 97              | 114              | 121 X           |
| 500-249662-11      | MW-17-202404           | 94                                             | 104             | 110              | 114             |
| 500-249662-11 - DL | MW-17-202404           | 107                                            | 94              | 119              | 115             |
| 500-249662-12      | MW-25D2-202404         | 111                                            | 103             | 108              | 107             |
| 500-249662-13      | MW-27D-202404          | 109                                            | 100             | 108              | 106             |
| 500-249662-14      | MP-14 (135-140)-202404 | 112                                            | 99              | 108              | 107             |
| 500-249662-15      | MP-16 (140-144)-202404 | 112                                            | 103             | 108              | 109             |
| 500-249662-17      | DUP-02-202404          | 112                                            | 102             | 110              | 104             |
| 500-249662-17 - DL | DUP-02-202404          | 111                                            | 102             | 109              | 105             |
| 500-249662-18      | DUP-03-202404          | 100                                            | 92              | 123 X            | 112             |
| 500-249662-18 - DL | DUP-03-202404          | 112                                            | 94              | 122 X            | 115             |
| 500-249662-19      | FB-01-202404           | 110                                            | 92              | 123 X            | 117             |
| 500-249662-20      | TRIP BLANK             | 111                                            | 105             | 107              | 106             |
| LCS 500-766401/4   | Lab Control Sample     | 106                                            | 99              | 109              | 105             |
| LCS 500-766510/4   | Lab Control Sample     | 94                                             | 96              | 105              | 104             |
| LCS 500-766671/5   | Lab Control Sample     | 94                                             | 95              | 101              | 109             |
| LCSD 500-766671/6  | Lab Control Sample Dup | 102                                            | 93              | 105              | 112             |
| MB 500-766401/8    | Method Blank           | 115                                            | 101             | 108              | 105             |
| MB 500-766510/7    | Method Blank           | 99                                             | 103             | 110              | 101             |
| MB 500-766671/9    | Method Blank           | 104                                            | 100             | 106              | 119             |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                  |
|---------------|------------------|------------------------------------------------|------------------|
|               |                  | DCB2<br>(53-129)                               | TCX2<br>(58-125) |
| 500-249662-5  | MW-5S-202404     | 87 ^c                                          | 83               |
| 500-249662-16 | DUP-01-202404    | 83 ^c                                          | 85               |

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Surrogate Summary

Client: TRC Environmental Corporation

Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

|                                     |                        | Percent Surrogate Recovery (Acceptance Limits) |                  |
|-------------------------------------|------------------------|------------------------------------------------|------------------|
| Lab Sample ID                       | Client Sample ID       | DCB2<br>(53-129)                               | TCX2<br>(58-125) |
| LCS 180-466996/4-A                  | Lab Control Sample     | 102                                            | 100              |
| LCSD 180-466996/5-A                 | Lab Control Sample Dup | 107                                            | 104              |
| MB 180-466996/1-A                   | Method Blank           | 68                                             | 66               |
| Surrogate Legend                    |                        |                                                |                  |
| DCB = DCB Decachlorobiphenyl (Surr) |                        |                                                |                  |
| TCX = Tetrachloro-m-xylene (Surr)   |                        |                                                |                  |

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-766401/8

Matrix: Water

Analysis Batch: 766401

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46     |              | 1.0  | 0.46 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1,1-Trichloroethane                 | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46     |              | 1.0  | 0.46 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1,2-Trichloroethane                 | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1-Dichloroethane                    | <0.41     |              | 1.0  | 0.41 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1-Dichloroethene                    | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,1-Dichloropropene                   | <0.30     |              | 1.0  | 0.30 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46     |              | 1.0  | 0.46 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2,3-Trichloropropane                | <0.41     |              | 2.0  | 0.41 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34     |              | 1.0  | 0.34 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0      |              | 5.0  | 2.0  | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2-Dibromoethane                     | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2-Dichlorobenzene                   | <0.33     |              | 1.0  | 0.33 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2-Dichloroethane                    | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,2-Dichloropropane                   | <0.43     |              | 1.0  | 0.43 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25     |              | 1.0  | 0.25 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,3-Dichlorobenzene                   | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,3-Dichloropropane                   | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 1,4-Dichlorobenzene                   | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 2,2-Dichloropropane                   | <0.44     |              | 5.0  | 0.44 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 2-Butanone (MEK)                      | <2.1      |              | 5.0  | 2.1  | ug/L |   |          | 05/05/24 10:12 | 1       |
| 2-Chlorotoluene                       | <0.31     |              | 1.0  | 0.31 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 2-Hexanone                            | <1.6      |              | 5.0  | 1.6  | ug/L |   |          | 05/05/24 10:12 | 1       |
| 4-Chlorotoluene                       | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 05/05/24 10:12 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2      |              | 5.0  | 2.2  | ug/L |   |          | 05/05/24 10:12 | 1       |
| Acetone                               | <1.7      |              | 10   | 1.7  | ug/L |   |          | 05/05/24 10:12 | 1       |
| Benzene                               | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Bromobenzene                          | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Bromochloromethane                    | <0.43     |              | 1.0  | 0.43 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Bromodichloromethane                  | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Bromoform                             | <0.48     |              | 1.0  | 0.48 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Bromomethane                          | <0.80     |              | 3.0  | 0.80 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Carbon disulfide                      | <0.45     |              | 2.0  | 0.45 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Carbon tetrachloride                  | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Chlorobenzene                         | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Chloroethane                          | <0.51     |              | 5.0  | 0.51 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Chloroform                            | <0.37     |              | 2.0  | 0.37 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Chloromethane                         | <0.32     |              | 5.0  | 0.32 | ug/L |   |          | 05/05/24 10:12 | 1       |
| cis-1,2-Dichloroethene                | <0.41     |              | 1.0  | 0.41 | ug/L |   |          | 05/05/24 10:12 | 1       |
| cis-1,3-Dichloropropene               | <0.42     |              | 1.0  | 0.42 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Dibromochloromethane                  | <0.49     |              | 1.0  | 0.49 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Dibromomethane                        | <0.27     |              | 1.0  | 0.27 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Dichlorodifluoromethane               | 1.35 J    |              | 3.0  | 0.67 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Diisopropyl ether                     | <0.28     |              | 1.0  | 0.28 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Ethylbenzene                          | <0.18     |              | 0.50 | 0.18 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Hexachlorobutadiene                   | <0.45     |              | 1.0  | 0.45 | ug/L |   |          | 05/05/24 10:12 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-766401/8

Matrix: Water

Analysis Batch: 766401

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Isopropylbenzene          | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| m-Xylene & p-Xylene       | <0.18     |              | 1.0  | 0.18 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Methyl tert-butyl ether   | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Methylene Chloride        | <1.6      |              | 5.0  | 1.6  | ug/L |   |          | 05/05/24 10:12 | 1       |
| Naphthalene               | <0.34     |              | 1.0  | 0.34 | ug/L |   |          | 05/05/24 10:12 | 1       |
| n-Butylbenzene            | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| n-Hexane                  | <0.49     |              | 1.0  | 0.49 | ug/L |   |          | 05/05/24 10:12 | 1       |
| N-Propylbenzene           | <0.41     |              | 1.0  | 0.41 | ug/L |   |          | 05/05/24 10:12 | 1       |
| o-Xylene                  | <0.22     |              | 0.50 | 0.22 | ug/L |   |          | 05/05/24 10:12 | 1       |
| p-Isopropyltoluene        | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:12 | 1       |
| sec-Butylbenzene          | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Styrene                   | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/05/24 10:12 | 1       |
| tert-Butylbenzene         | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Tetrachloroethene         | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Tetrahydrofuran           | 1.92 J    |              | 10   | 1.9  | ug/L |   |          | 05/05/24 10:12 | 1       |
| Toluene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 05/05/24 10:12 | 1       |
| trans-1,2-Dichloroethene  | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 05/05/24 10:12 | 1       |
| trans-1,3-Dichloropropene | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Trichloroethene           | <0.16     |              | 0.50 | 0.16 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Trichlorofluoromethane    | <0.43     |              | 1.0  | 0.43 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Vinyl chloride            | <0.20     |              | 1.0  | 0.20 | ug/L |   |          | 05/05/24 10:12 | 1       |
| Xylenes, Total            | <0.22     |              | 1.0  | 0.22 | ug/L |   |          | 05/05/24 10:12 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 115          |              | 75 - 126 |          | 05/05/24 10:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 72 - 124 |          | 05/05/24 10:12 | 1       |
| Dibromofluoromethane (Surr)  | 108          |              | 75 - 120 |          | 05/05/24 10:12 | 1       |
| Toluene-d8 (Surr)            | 105          |              | 75 - 120 |          | 05/05/24 10:12 | 1       |

Lab Sample ID: LCS 500-766401/4

Matrix: Water

Analysis Batch: 766401

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 50.8       |               | ug/L |   | 102  | 70 - 125    |
| 1,1,1-Trichloroethane                 | 50.0        | 53.9       |               | ug/L |   | 108  | 70 - 125    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 44.5       |               | ug/L |   | 89   | 62 - 140    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 51.8       |               | ug/L |   | 104  | 70 - 123    |
| 1,1,2-Trichloroethane                 | 50.0        | 47.3       |               | ug/L |   | 95   | 71 - 130    |
| 1,1-Dichloroethane                    | 50.0        | 46.2       |               | ug/L |   | 92   | 70 - 125    |
| 1,1-Dichloroethene                    | 50.0        | 50.1       |               | ug/L |   | 100  | 67 - 122    |
| 1,1-Dichloropropene                   | 50.0        | 49.5       |               | ug/L |   | 99   | 70 - 121    |
| 1,2,3-Trichlorobenzene                | 50.0        | 42.7       |               | ug/L |   | 85   | 51 - 145    |
| 1,2,3-Trichloropropane                | 50.0        | 47.0       |               | ug/L |   | 94   | 50 - 133    |
| 1,2,4-Trichlorobenzene                | 50.0        | 42.8       |               | ug/L |   | 86   | 57 - 137    |
| 1,2,4-Trimethylbenzene                | 50.0        | 46.7       |               | ug/L |   | 93   | 70 - 123    |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 41.0       |               | ug/L |   | 82   | 56 - 123    |
| 1,2-Dibromoethane                     | 50.0        | 49.0       |               | ug/L |   | 98   | 70 - 125    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-766401/4

Matrix: Water

Analysis Batch: 766401

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,2-Dichlorobenzene         | 50.0        | 47.7       |               | ug/L |   | 95   | 70 - 125    |
| 1,2-Dichloroethane          | 50.0        | 50.3       |               | ug/L |   | 101  | 68 - 127    |
| 1,2-Dichloropropane         | 50.0        | 43.5       |               | ug/L |   | 87   | 67 - 130    |
| 1,3,5-Trimethylbenzene      | 50.0        | 47.6       |               | ug/L |   | 95   | 70 - 123    |
| 1,3-Dichlorobenzene         | 50.0        | 48.3       |               | ug/L |   | 97   | 70 - 125    |
| 1,3-Dichloropropane         | 50.0        | 48.1       |               | ug/L |   | 96   | 62 - 136    |
| 1,4-Dichlorobenzene         | 50.0        | 47.7       |               | ug/L |   | 95   | 70 - 120    |
| 2,2-Dichloropropane         | 50.0        | 58.3       |               | ug/L |   | 117  | 58 - 139    |
| 2-Butanone (MEK)            | 50.0        | 29.4       |               | ug/L |   | 59   | 46 - 144    |
| 2-Chlorotoluene             | 50.0        | 47.7       |               | ug/L |   | 95   | 70 - 125    |
| 2-Hexanone                  | 50.0        | 27.5       |               | ug/L |   | 55   | 54 - 146    |
| 4-Chlorotoluene             | 50.0        | 47.7       |               | ug/L |   | 95   | 68 - 124    |
| 4-Methyl-2-pentanone (MIBK) | 50.0        | 28.1       |               | ug/L |   | 56   | 55 - 139    |
| Acetone                     | 50.0        | 23.5       |               | ug/L |   | 47   | 40 - 143    |
| Benzene                     | 50.0        | 44.4       |               | ug/L |   | 89   | 70 - 120    |
| Bromobenzene                | 50.0        | 51.8       |               | ug/L |   | 104  | 70 - 122    |
| Bromochloromethane          | 50.0        | 55.7       |               | ug/L |   | 111  | 65 - 122    |
| Bromodichloromethane        | 50.0        | 50.0       |               | ug/L |   | 100  | 69 - 120    |
| Bromoform                   | 50.0        | 45.1       |               | ug/L |   | 90   | 56 - 132    |
| Bromomethane                | 50.0        | 59.1       |               | ug/L |   | 118  | 40 - 152    |
| Carbon disulfide            | 50.0        | 46.2       |               | ug/L |   | 92   | 66 - 120    |
| Carbon tetrachloride        | 50.0        | 54.1       |               | ug/L |   | 108  | 59 - 133    |
| Chlorobenzene               | 50.0        | 51.2       |               | ug/L |   | 102  | 70 - 120    |
| Chloroethane                | 50.0        | 48.5       |               | ug/L |   | 97   | 48 - 136    |
| Chloroform                  | 50.0        | 47.5       |               | ug/L |   | 95   | 70 - 120    |
| Chloromethane               | 50.0        | 38.4       |               | ug/L |   | 77   | 56 - 152    |
| cis-1,2-Dichloroethene      | 50.0        | 52.6       |               | ug/L |   | 105  | 70 - 125    |
| cis-1,3-Dichloropropene     | 50.0        | 49.1       |               | ug/L |   | 98   | 64 - 127    |
| Dibromochloromethane        | 50.0        | 50.5       |               | ug/L |   | 101  | 68 - 125    |
| Dibromomethane              | 50.0        | 49.4       |               | ug/L |   | 99   | 70 - 120    |
| Dichlorodifluoromethane     | 50.0        | 41.7       |               | ug/L |   | 83   | 40 - 159    |
| Ethylbenzene                | 50.0        | 47.6       |               | ug/L |   | 95   | 70 - 123    |
| Hexachlorobutadiene         | 50.0        | 34.1       |               | ug/L |   | 68   | 51 - 150    |
| Isopropylbenzene            | 50.0        | 50.2       |               | ug/L |   | 100  | 70 - 126    |
| m-Xylene & p-Xylene         | 50.0        | 46.5       |               | ug/L |   | 93   | 70 - 125    |
| Methyl tert-butyl ether     | 50.0        | 48.1       |               | ug/L |   | 96   | 55 - 123    |
| Methylene Chloride          | 50.0        | 46.3       |               | ug/L |   | 93   | 69 - 125    |
| Naphthalene                 | 50.0        | 39.5       |               | ug/L |   | 79   | 53 - 144    |
| n-Butylbenzene              | 50.0        | 42.1       |               | ug/L |   | 84   | 68 - 125    |
| n-Hexane                    | 50.0        | 35.6       |               | ug/L |   | 71   | 65 - 142    |
| N-Propylbenzene             | 50.0        | 47.7       |               | ug/L |   | 95   | 69 - 127    |
| o-Xylene                    | 50.0        | 45.5       |               | ug/L |   | 91   | 70 - 120    |
| p-Isopropyltoluene          | 50.0        | 44.8       |               | ug/L |   | 90   | 70 - 125    |
| sec-Butylbenzene            | 50.0        | 44.4       |               | ug/L |   | 89   | 70 - 123    |
| Styrene                     | 50.0        | 48.1       |               | ug/L |   | 96   | 70 - 120    |
| tert-Butylbenzene           | 50.0        | 46.3       |               | ug/L |   | 93   | 70 - 121    |
| Tetrachloroethene           | 50.0        | 53.9       |               | ug/L |   | 108  | 70 - 128    |
| Tetrahydrofuran             | 100         | 66.2       |               | ug/L |   | 66   | 59 - 139    |
| Toluene                     | 50.0        | 48.2       |               | ug/L |   | 96   | 70 - 125    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-766401/4

Matrix: Water

Analysis Batch: 766401

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| trans-1,2-Dichloroethene  | 50.0        | 50.0       |               | ug/L |   | 100  | 70 - 125    |
| trans-1,3-Dichloropropene | 50.0        | 48.3       |               | ug/L |   | 97   | 62 - 128    |
| Trichloroethene           | 50.0        | 52.1       |               | ug/L |   | 104  | 70 - 125    |
| Trichlorofluoromethane    | 50.0        | 53.2       |               | ug/L |   | 106  | 55 - 128    |
| Vinyl chloride            | 50.0        | 44.5       |               | ug/L |   | 89   | 64 - 126    |
| Xylenes, Total            | 100         | 91.9       |               | ug/L |   | 92   | 70 - 125    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 106           |               | 75 - 126 |
| 4-Bromofluorobenzene (Surr)  | 99            |               | 72 - 124 |
| Dibromofluoromethane (Surr)  | 109           |               | 75 - 120 |
| Toluene-d8 (Surr)            | 105           |               | 75 - 120 |

Lab Sample ID: 500-249662-8 MS

Matrix: Water

Analysis Batch: 766401

Client Sample ID: MW-5D3-202404

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | <0.46         |                  | 50.0        | 53.2      |              | ug/L |   | 106  | 70 - 125    |
| 1,1,1-Trichloroethane                 | <0.38         |                  | 50.0        | 54.5      |              | ug/L |   | 109  | 70 - 125    |
| 1,1,2,2-Tetrachloroethane             | <0.40         |                  | 50.0        | 51.7      |              | ug/L |   | 103  | 62 - 140    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46         |                  | 50.0        | 53.6      |              | ug/L |   | 107  | 70 - 123    |
| 1,1,2-Trichloroethane                 | <0.35         |                  | 50.0        | 52.4      |              | ug/L |   | 105  | 71 - 130    |
| 1,1-Dichloroethane                    | <0.41         |                  | 50.0        | 47.6      |              | ug/L |   | 95   | 70 - 125    |
| 1,1-Dichloroethene                    | <0.39         |                  | 50.0        | 50.8      |              | ug/L |   | 102  | 67 - 122    |
| 1,1-Dichloropropene                   | <0.30         |                  | 50.0        | 50.8      |              | ug/L |   | 102  | 70 - 121    |
| 1,2,3-Trichlorobenzene                | <0.46         |                  | 50.0        | 42.3      |              | ug/L |   | 85   | 51 - 145    |
| 1,2,3-Trichloropropane                | <0.41         |                  | 50.0        | 54.7      |              | ug/L |   | 109  | 50 - 133    |
| 1,2,4-Trichlorobenzene                | <0.34         |                  | 50.0        | 38.9      |              | ug/L |   | 78   | 57 - 137    |
| 1,2,4-Trimethylbenzene                | <0.36         |                  | 50.0        | 46.4      |              | ug/L |   | 93   | 70 - 123    |
| 1,2-Dibromo-3-Chloropropane           | <2.0          |                  | 50.0        | 43.6      |              | ug/L |   | 87   | 56 - 123    |
| 1,2-Dibromoethane                     | <0.39         |                  | 50.0        | 53.6      |              | ug/L |   | 107  | 70 - 125    |
| 1,2-Dichlorobenzene                   | <0.33         |                  | 50.0        | 49.4      |              | ug/L |   | 99   | 70 - 125    |
| 1,2-Dichloroethane                    | <0.39         |                  | 50.0        | 53.3      |              | ug/L |   | 107  | 68 - 127    |
| 1,2-Dichloropropane                   | <0.43         |                  | 50.0        | 47.2      |              | ug/L |   | 94   | 67 - 130    |
| 1,3,5-Trimethylbenzene                | <0.25         |                  | 50.0        | 47.3      |              | ug/L |   | 95   | 70 - 123    |
| 1,3-Dichlorobenzene                   | <0.40         |                  | 50.0        | 48.4      |              | ug/L |   | 97   | 70 - 125    |
| 1,3-Dichloropropane                   | <0.36         |                  | 50.0        | 53.8      |              | ug/L |   | 108  | 62 - 136    |
| 1,4-Dichlorobenzene                   | <0.36         |                  | 50.0        | 47.9      |              | ug/L |   | 96   | 70 - 120    |
| 2,2-Dichloropropane                   | <0.44         |                  | 50.0        | 51.6      |              | ug/L |   | 103  | 58 - 139    |
| 2-Butanone (MEK)                      | <2.1          | ^c               | 50.0        | 27.4      |              | ug/L |   | 55   | 46 - 144    |
| 2-Chlorotoluene                       | <0.31         |                  | 50.0        | 48.4      |              | ug/L |   | 97   | 70 - 125    |
| 2-Hexanone                            | <1.6          | ^c               | 50.0        | 32.4      |              | ug/L |   | 65   | 54 - 146    |
| 4-Chlorotoluene                       | <0.35         |                  | 50.0        | 48.0      |              | ug/L |   | 96   | 68 - 124    |
| 4-Methyl-2-pentanone (MIBK)           | <2.2          | ^c               | 50.0        | 33.7      |              | ug/L |   | 67   | 55 - 139    |
| Acetone                               | <1.7          | F1 ^c F2         | 50.0        | 18.1      | F1           | ug/L |   | 36   | 40 - 143    |
| Benzene                               | <0.15         |                  | 50.0        | 46.6      |              | ug/L |   | 93   | 70 - 120    |
| Bromobenzene                          | <0.36         |                  | 50.0        | 55.6      |              | ug/L |   | 111  | 70 - 122    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-249662-8 MS

Matrix: Water

Analysis Batch: 766401

Client Sample ID: MW-5D3-202404

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Bromochloromethane        | <0.43         |                  | 50.0        | 56.6      |              | ug/L |   | 113  | 65 - 122    |
| Bromodichloromethane      | <0.37         |                  | 50.0        | 54.0      |              | ug/L |   | 108  | 69 - 120    |
| Bromoform                 | <0.48         |                  | 50.0        | 51.6      |              | ug/L |   | 103  | 56 - 132    |
| Bromomethane              | <0.80         | ^c               | 50.0        | 56.1      |              | ug/L |   | 112  | 40 - 152    |
| Carbon disulfide          | <0.45         |                  | 50.0        | 47.0      |              | ug/L |   | 94   | 66 - 120    |
| Carbon tetrachloride      | <0.38         |                  | 50.0        | 54.6      |              | ug/L |   | 109  | 59 - 133    |
| Chlorobenzene             | <0.39         |                  | 50.0        | 53.2      |              | ug/L |   | 106  | 70 - 120    |
| Chloroethane              | <0.51         |                  | 50.0        | 47.6      |              | ug/L |   | 95   | 48 - 136    |
| Chloroform                | <0.37         |                  | 50.0        | 46.6      |              | ug/L |   | 93   | 70 - 120    |
| Chloromethane             | <0.32         |                  | 50.0        | 36.9      |              | ug/L |   | 74   | 56 - 152    |
| cis-1,2-Dichloroethene    | <0.41         |                  | 50.0        | 50.1      |              | ug/L |   | 100  | 70 - 125    |
| cis-1,3-Dichloropropene   | <0.42         |                  | 50.0        | 50.9      |              | ug/L |   | 102  | 64 - 127    |
| Dibromochloromethane      | <0.49         |                  | 50.0        | 55.0      |              | ug/L |   | 110  | 68 - 125    |
| Dibromomethane            | <0.27         |                  | 50.0        | 53.6      |              | ug/L |   | 107  | 70 - 120    |
| Dichlorodifluoromethane   | <0.67         |                  | 50.0        | 39.9      |              | ug/L |   | 80   | 40 - 159    |
| Ethylbenzene              | <0.18         |                  | 50.0        | 48.5      |              | ug/L |   | 97   | 70 - 123    |
| Hexachlorobutadiene       | <0.45         |                  | 50.0        | 30.7      |              | ug/L |   | 61   | 51 - 150    |
| Isopropylbenzene          | <0.39         |                  | 50.0        | 51.4      |              | ug/L |   | 103  | 70 - 126    |
| m-Xylene & p-Xylene       | <0.18         |                  | 50.0        | 46.8      |              | ug/L |   | 94   | 70 - 125    |
| Methyl tert-butyl ether   | <0.39         |                  | 50.0        | 49.7      |              | ug/L |   | 99   | 55 - 123    |
| Methylene Chloride        | <1.6          |                  | 50.0        | 47.1      |              | ug/L |   | 94   | 69 - 125    |
| Naphthalene               | <0.34         |                  | 50.0        | 41.3      |              | ug/L |   | 83   | 53 - 144    |
| n-Butylbenzene            | <0.39         |                  | 50.0        | 38.3      |              | ug/L |   | 77   | 68 - 125    |
| n-Hexane                  | <0.49         | ^c               | 50.0        | 36.8      |              | ug/L |   | 74   | 65 - 142    |
| N-Propylbenzene           | <0.41         |                  | 50.0        | 48.0      |              | ug/L |   | 96   | 69 - 127    |
| o-Xylene                  | <0.22         |                  | 50.0        | 46.0      |              | ug/L |   | 92   | 70 - 120    |
| p-Isopropyltoluene        | <0.36         |                  | 50.0        | 42.8      |              | ug/L |   | 86   | 70 - 125    |
| sec-Butylbenzene          | <0.40         |                  | 50.0        | 43.4      |              | ug/L |   | 87   | 70 - 123    |
| Styrene                   | <0.39         |                  | 50.0        | 49.4      |              | ug/L |   | 99   | 70 - 120    |
| tert-Butylbenzene         | <0.40         |                  | 50.0        | 46.6      |              | ug/L |   | 93   | 70 - 121    |
| Tetrachloroethene         | <0.37         |                  | 50.0        | 55.9      |              | ug/L |   | 112  | 70 - 128    |
| Tetrahydrofuran           | <1.9          | ^c               | 100         | 63.9      |              | ug/L |   | 64   | 59 - 139    |
| Toluene                   | <0.15         |                  | 50.0        | 50.3      |              | ug/L |   | 101  | 70 - 125    |
| trans-1,2-Dichloroethene  | <0.35         |                  | 50.0        | 50.5      |              | ug/L |   | 101  | 70 - 125    |
| trans-1,3-Dichloropropene | <0.36         |                  | 50.0        | 51.8      |              | ug/L |   | 104  | 62 - 128    |
| Trichloroethene           | <0.16         |                  | 50.0        | 53.0      |              | ug/L |   | 106  | 70 - 125    |
| Trichlorofluoromethane    | <0.43         |                  | 50.0        | 51.5      |              | ug/L |   | 103  | 55 - 128    |
| Vinyl chloride            | <0.20         |                  | 50.0        | 43.3      |              | ug/L |   | 87   | 64 - 126    |
| Xylenes, Total            | <0.22         |                  | 100         | 92.7      |              | ug/L |   | 93   | 70 - 125    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 75 - 126 |
| 4-Bromofluorobenzene (Surr)  | 99           |              | 72 - 124 |
| Dibromofluoromethane (Surr)  | 108          |              | 75 - 120 |
| Toluene-d8 (Surr)            | 105          |              | 75 - 120 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-249662-8 MSD

Matrix: Water

Analysis Batch: 766401

Client Sample ID: MW-5D3-202404

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | <0.46         |                  | 50.0        | 54.2       |               | ug/L |   | 108  | 70 - 125    | 2   | 20        |
| 1,1,1-Trichloroethane                 | <0.38         |                  | 50.0        | 55.4       |               | ug/L |   | 111  | 70 - 125    | 2   | 20        |
| 1,1,2,2-Tetrachloroethane             | <0.40         |                  | 50.0        | 51.7       |               | ug/L |   | 103  | 62 - 140    | 0   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46         |                  | 50.0        | 52.6       |               | ug/L |   | 105  | 70 - 123    | 2   | 20        |
| 1,1,2-Trichloroethane                 | <0.35         |                  | 50.0        | 53.2       |               | ug/L |   | 106  | 71 - 130    | 2   | 20        |
| 1,1-Dichloroethane                    | <0.41         |                  | 50.0        | 46.9       |               | ug/L |   | 94   | 70 - 125    | 1   | 20        |
| 1,1-Dichloroethene                    | <0.39         |                  | 50.0        | 50.3       |               | ug/L |   | 101  | 67 - 122    | 1   | 20        |
| 1,1-Dichloropropene                   | <0.30         |                  | 50.0        | 51.5       |               | ug/L |   | 103  | 70 - 121    | 1   | 20        |
| 1,2,3-Trichlorobenzene                | <0.46         |                  | 50.0        | 45.5       |               | ug/L |   | 91   | 51 - 145    | 7   | 20        |
| 1,2,3-Trichloropropane                | <0.41         |                  | 50.0        | 56.2       |               | ug/L |   | 112  | 50 - 133    | 3   | 20        |
| 1,2,4-Trichlorobenzene                | <0.34         |                  | 50.0        | 43.4       |               | ug/L |   | 87   | 57 - 137    | 11  | 20        |
| 1,2,4-Trimethylbenzene                | <0.36         |                  | 50.0        | 52.7       |               | ug/L |   | 105  | 70 - 123    | 13  | 20        |
| 1,2-Dibromo-3-Chloropropane           | <2.0          |                  | 50.0        | 42.5       |               | ug/L |   | 85   | 56 - 123    | 3   | 20        |
| 1,2-Dibromoethane                     | <0.39         |                  | 50.0        | 54.6       |               | ug/L |   | 109  | 70 - 125    | 2   | 20        |
| 1,2-Dichlorobenzene                   | <0.33         |                  | 50.0        | 54.3       |               | ug/L |   | 109  | 70 - 125    | 9   | 20        |
| 1,2-Dichloroethane                    | <0.39         |                  | 50.0        | 53.9       |               | ug/L |   | 108  | 68 - 127    | 1   | 20        |
| 1,2-Dichloropropane                   | <0.43         |                  | 50.0        | 47.1       |               | ug/L |   | 94   | 67 - 130    | 0   | 20        |
| 1,3,5-Trimethylbenzene                | <0.25         |                  | 50.0        | 54.6       |               | ug/L |   | 109  | 70 - 123    | 14  | 20        |
| 1,3-Dichlorobenzene                   | <0.40         |                  | 50.0        | 54.4       |               | ug/L |   | 109  | 70 - 125    | 12  | 20        |
| 1,3-Dichloropropane                   | <0.36         |                  | 50.0        | 53.6       |               | ug/L |   | 107  | 62 - 136    | 0   | 20        |
| 1,4-Dichlorobenzene                   | <0.36         |                  | 50.0        | 53.2       |               | ug/L |   | 106  | 70 - 120    | 10  | 20        |
| 2,2-Dichloropropane                   | <0.44         |                  | 50.0        | 51.2       |               | ug/L |   | 102  | 58 - 139    | 1   | 20        |
| 2-Butanone (MEK)                      | <2.1          | ^c               | 50.0        | 29.5       |               | ug/L |   | 59   | 46 - 144    | 7   | 20        |
| 2-Chlorotoluene                       | <0.31         |                  | 50.0        | 52.9       |               | ug/L |   | 106  | 70 - 125    | 9   | 20        |
| 2-Hexanone                            | <1.6          | ^c               | 50.0        | 31.4       |               | ug/L |   | 63   | 54 - 146    | 3   | 20        |
| 4-Chlorotoluene                       | <0.35         |                  | 50.0        | 53.2       |               | ug/L |   | 106  | 68 - 124    | 10  | 20        |
| 4-Methyl-2-pentanone (MIBK)           | <2.2          | ^c               | 50.0        | 32.4       |               | ug/L |   | 65   | 55 - 139    | 4   | 20        |
| Acetone                               | <1.7          | F1 ^c F2         | 50.0        | 22.3       | F2            | ug/L |   | 45   | 40 - 143    | 21  | 20        |
| Benzene                               | <0.15         |                  | 50.0        | 47.4       |               | ug/L |   | 95   | 70 - 120    | 2   | 20        |
| Bromobenzene                          | <0.36         |                  | 50.0        | 59.3       |               | ug/L |   | 119  | 70 - 122    | 6   | 20        |
| Bromochloromethane                    | <0.43         |                  | 50.0        | 57.7       |               | ug/L |   | 115  | 65 - 122    | 2   | 20        |
| Bromodichloromethane                  | <0.37         |                  | 50.0        | 54.3       |               | ug/L |   | 109  | 69 - 120    | 1   | 20        |
| Bromoform                             | <0.48         |                  | 50.0        | 51.4       |               | ug/L |   | 103  | 56 - 132    | 0   | 20        |
| Bromomethane                          | <0.80         | ^c               | 50.0        | 57.7       |               | ug/L |   | 115  | 40 - 152    | 3   | 20        |
| Carbon disulfide                      | <0.45         |                  | 50.0        | 46.2       |               | ug/L |   | 92   | 66 - 120    | 2   | 20        |
| Carbon tetrachloride                  | <0.38         |                  | 50.0        | 55.1       |               | ug/L |   | 110  | 59 - 133    | 1   | 20        |
| Chlorobenzene                         | <0.39         |                  | 50.0        | 54.9       |               | ug/L |   | 110  | 70 - 120    | 3   | 20        |
| Chloroethane                          | <0.51         |                  | 50.0        | 49.0       |               | ug/L |   | 98   | 48 - 136    | 3   | 20        |
| Chloroform                            | <0.37         |                  | 50.0        | 46.5       |               | ug/L |   | 93   | 70 - 120    | 0   | 20        |
| Chloromethane                         | <0.32         |                  | 50.0        | 37.6       |               | ug/L |   | 75   | 56 - 152    | 2   | 20        |
| cis-1,2-Dichloroethene                | <0.41         |                  | 50.0        | 50.6       |               | ug/L |   | 101  | 70 - 125    | 1   | 20        |
| cis-1,3-Dichloropropene               | <0.42         |                  | 50.0        | 51.1       |               | ug/L |   | 102  | 64 - 127    | 1   | 20        |
| Dibromochloromethane                  | <0.49         |                  | 50.0        | 55.6       |               | ug/L |   | 111  | 68 - 125    | 1   | 20        |
| Dibromomethane                        | <0.27         |                  | 50.0        | 53.5       |               | ug/L |   | 107  | 70 - 120    | 0   | 20        |
| Dichlorodifluoromethane               | <0.67         |                  | 50.0        | 40.4       |               | ug/L |   | 81   | 40 - 159    | 1   | 20        |
| Ethylbenzene                          | <0.18         |                  | 50.0        | 51.0       |               | ug/L |   | 102  | 70 - 123    | 5   | 20        |
| Hexachlorobutadiene                   | <0.45         |                  | 50.0        | 36.2       |               | ug/L |   | 72   | 51 - 150    | 17  | 20        |
| Isopropylbenzene                      | <0.39         |                  | 50.0        | 56.8       |               | ug/L |   | 114  | 70 - 126    | 10  | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-249662-8 MSD

Matrix: Water

Analysis Batch: 766401

Client Sample ID: MW-5D3-202404

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| m-Xylene & p-Xylene       | <0.18         |                  | 50.0        | 49.4       |               | ug/L |   | 99   | 70 - 125    | 5   | 20        |
| Methyl tert-butyl ether   | <0.39         |                  | 50.0        | 50.2       |               | ug/L |   | 100  | 55 - 123    | 1   | 20        |
| Methylene Chloride        | <1.6          |                  | 50.0        | 47.6       |               | ug/L |   | 95   | 69 - 125    | 1   | 20        |
| Naphthalene               | <0.34         |                  | 50.0        | 45.7       |               | ug/L |   | 91   | 53 - 144    | 10  | 20        |
| n-Butylbenzene            | <0.39         |                  | 50.0        | 46.9       |               | ug/L |   | 94   | 68 - 125    | 20  | 20        |
| n-Hexane                  | <0.49         | ^c               | 50.0        | 36.9       |               | ug/L |   | 74   | 65 - 142    | 0   | 20        |
| N-Propylbenzene           | <0.41         |                  | 50.0        | 53.9       |               | ug/L |   | 108  | 69 - 127    | 12  | 20        |
| o-Xylene                  | <0.22         |                  | 50.0        | 48.7       |               | ug/L |   | 97   | 70 - 120    | 6   | 20        |
| p-Isopropyltoluene        | <0.36         |                  | 50.0        | 52.2       |               | ug/L |   | 104  | 70 - 125    | 20  | 20        |
| sec-Butylbenzene          | <0.40         |                  | 50.0        | 52.6       |               | ug/L |   | 105  | 70 - 123    | 19  | 20        |
| Styrene                   | <0.39         |                  | 50.0        | 52.5       |               | ug/L |   | 105  | 70 - 120    | 6   | 20        |
| tert-Butylbenzene         | <0.40         |                  | 50.0        | 54.4       |               | ug/L |   | 109  | 70 - 121    | 16  | 20        |
| Tetrachloroethene         | <0.37         |                  | 50.0        | 57.0       |               | ug/L |   | 114  | 70 - 128    | 2   | 20        |
| Tetrahydrofuran           | <1.9          | ^c               | 100         | 69.5       |               | ug/L |   | 70   | 59 - 139    | 8   | 20        |
| Toluene                   | <0.15         |                  | 50.0        | 50.7       |               | ug/L |   | 101  | 70 - 125    | 1   | 20        |
| trans-1,2-Dichloroethene  | <0.35         |                  | 50.0        | 50.4       |               | ug/L |   | 101  | 70 - 125    | 0   | 20        |
| trans-1,3-Dichloropropene | <0.36         |                  | 50.0        | 52.1       |               | ug/L |   | 104  | 62 - 128    | 1   | 20        |
| Trichloroethene           | <0.16         |                  | 50.0        | 54.9       |               | ug/L |   | 110  | 70 - 125    | 4   | 20        |
| Trichlorofluoromethane    | <0.43         |                  | 50.0        | 51.6       |               | ug/L |   | 103  | 55 - 128    | 0   | 20        |
| Vinyl chloride            | <0.20         |                  | 50.0        | 44.1       |               | ug/L |   | 88   | 64 - 126    | 2   | 20        |
| Xylenes, Total            | <0.22         |                  | 100         | 98.1       |               | ug/L |   | 98   | 70 - 125    | 6   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 108           |               | 75 - 126 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 72 - 124 |
| Dibromofluoromethane (Surr)  | 106           |               | 75 - 120 |
| Toluene-d8 (Surr)            | 104           |               | 75 - 120 |

Lab Sample ID: MB 500-766510/7

Matrix: Water

Analysis Batch: 766510

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte           | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Tetrachloroethene | <0.37     |              | 1.0 | 0.37 | ug/L |   |          | 05/06/24 11:28 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 75 - 126 |          | 05/06/24 11:28 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103          |              | 72 - 124 |          | 05/06/24 11:28 | 1       |
| Dibromofluoromethane (Surr)  | 110          |              | 75 - 120 |          | 05/06/24 11:28 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 75 - 120 |          | 05/06/24 11:28 | 1       |

Lab Sample ID: LCS 500-766510/4

Matrix: Water

Analysis Batch: 766510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------|-------------|------------|---------------|------|---|------|-------------|
| Tetrachloroethene | 50.0        | 53.0       |               | ug/L |   | 106  | 70 - 128    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-766510/4

Matrix: Water

Analysis Batch: 766510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                              | LCS       | LCS       |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 75 - 126 |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 72 - 124 |
| Dibromofluoromethane (Surr)  | 105       |           | 75 - 120 |
| Toluene-d8 (Surr)            | 104       |           | 75 - 120 |

Lab Sample ID: MB 500-766671/9

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.46     |              | 1.0  | 0.46 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1,1-Trichloroethane                 | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.46     |              | 1.0  | 0.46 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1,2-Trichloroethane                 | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1-Dichloroethane                    | <0.41     |              | 1.0  | 0.41 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1-Dichloroethene                    | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,1-Dichloropropene                   | <0.30     |              | 1.0  | 0.30 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2,3-Trichlorobenzene                | <0.46     |              | 1.0  | 0.46 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2,3-Trichloropropane                | <0.41     |              | 2.0  | 0.41 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2,4-Trichlorobenzene                | <0.34     |              | 1.0  | 0.34 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2,4-Trimethylbenzene                | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <2.0      |              | 5.0  | 2.0  | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2-Dibromoethane                     | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2-Dichlorobenzene                   | <0.33     |              | 1.0  | 0.33 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2-Dichloroethane                    | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,2-Dichloropropane                   | <0.43     |              | 1.0  | 0.43 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,3,5-Trimethylbenzene                | <0.25     |              | 1.0  | 0.25 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,3-Dichlorobenzene                   | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,3-Dichloropropane                   | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 1,4-Dichlorobenzene                   | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 2,2-Dichloropropane                   | <0.44     |              | 5.0  | 0.44 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 2-Butanone (MEK)                      | <2.1      |              | 5.0  | 2.1  | ug/L |   |          | 05/07/24 10:58 | 1       |
| 2-Chlorotoluene                       | <0.31     |              | 1.0  | 0.31 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 2-Hexanone                            | <1.6      |              | 5.0  | 1.6  | ug/L |   |          | 05/07/24 10:58 | 1       |
| 4-Chlorotoluene                       | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 05/07/24 10:58 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <2.2      |              | 5.0  | 2.2  | ug/L |   |          | 05/07/24 10:58 | 1       |
| Acetone                               | <1.7      |              | 10   | 1.7  | ug/L |   |          | 05/07/24 10:58 | 1       |
| Benzene                               | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Bromobenzene                          | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Bromochloromethane                    | <0.43     |              | 1.0  | 0.43 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Bromodichloromethane                  | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Bromoform                             | <0.48     |              | 1.0  | 0.48 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Bromomethane                          | <0.80     |              | 3.0  | 0.80 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Carbon disulfide                      | <0.45     |              | 2.0  | 0.45 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Carbon tetrachloride                  | <0.38     |              | 1.0  | 0.38 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Chlorobenzene                         | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Chloroethane                          | <0.51     |              | 5.0  | 0.51 | ug/L |   |          | 05/07/24 10:58 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-766671/9

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ  | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Chloroform                | <0.37     |              | 2.0  | 0.37 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Chloromethane             | <0.32     |              | 5.0  | 0.32 | ug/L |   |          | 05/07/24 10:58 | 1       |
| cis-1,2-Dichloroethene    | <0.41     |              | 1.0  | 0.41 | ug/L |   |          | 05/07/24 10:58 | 1       |
| cis-1,3-Dichloropropene   | <0.42     |              | 1.0  | 0.42 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Dibromochloromethane      | <0.49     |              | 1.0  | 0.49 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Dibromomethane            | <0.27     |              | 1.0  | 0.27 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Dichlorodifluoromethane   | <0.67     |              | 3.0  | 0.67 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Diisopropyl ether         | <0.28     |              | 1.0  | 0.28 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Ethylbenzene              | <0.18     |              | 0.50 | 0.18 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Hexachlorobutadiene       | <0.45     |              | 1.0  | 0.45 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Isopropylbenzene          | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| m-Xylene & p-Xylene       | <0.18     |              | 1.0  | 0.18 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Methyl tert-butyl ether   | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Methylene Chloride        | <1.6      |              | 5.0  | 1.6  | ug/L |   |          | 05/07/24 10:58 | 1       |
| Naphthalene               | <0.34     |              | 1.0  | 0.34 | ug/L |   |          | 05/07/24 10:58 | 1       |
| n-Butylbenzene            | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| n-Hexane                  | <0.49     |              | 1.0  | 0.49 | ug/L |   |          | 05/07/24 10:58 | 1       |
| N-Propylbenzene           | <0.41     |              | 1.0  | 0.41 | ug/L |   |          | 05/07/24 10:58 | 1       |
| o-Xylene                  | <0.22     |              | 0.50 | 0.22 | ug/L |   |          | 05/07/24 10:58 | 1       |
| p-Isopropyltoluene        | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/07/24 10:58 | 1       |
| sec-Butylbenzene          | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Styrene                   | <0.39     |              | 1.0  | 0.39 | ug/L |   |          | 05/07/24 10:58 | 1       |
| tert-Butylbenzene         | <0.40     |              | 1.0  | 0.40 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Tetrachloroethene         | <0.37     |              | 1.0  | 0.37 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Tetrahydrofuran           | <1.9      |              | 10   | 1.9  | ug/L |   |          | 05/07/24 10:58 | 1       |
| Toluene                   | <0.15     |              | 0.50 | 0.15 | ug/L |   |          | 05/07/24 10:58 | 1       |
| trans-1,2-Dichloroethene  | <0.35     |              | 1.0  | 0.35 | ug/L |   |          | 05/07/24 10:58 | 1       |
| trans-1,3-Dichloropropene | <0.36     |              | 1.0  | 0.36 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Trichloroethene           | <0.16     |              | 0.50 | 0.16 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Trichlorofluoromethane    | <0.43     |              | 1.0  | 0.43 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Vinyl chloride            | <0.20     |              | 1.0  | 0.20 | ug/L |   |          | 05/07/24 10:58 | 1       |
| Xylenes, Total            | <0.22     |              | 1.0  | 0.22 | ug/L |   |          | 05/07/24 10:58 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 75 - 126 |          | 05/07/24 10:58 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100          |              | 72 - 124 |          | 05/07/24 10:58 | 1       |
| Dibromofluoromethane (Surr)  | 106          |              | 75 - 120 |          | 05/07/24 10:58 | 1       |
| Toluene-d8 (Surr)            | 119          |              | 75 - 120 |          | 05/07/24 10:58 | 1       |

Lab Sample ID: LCS 500-766671/5

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 100         | 93.5       |               | ug/L |   | 93   | 70 - 125    |
| 1,1,1-Trichloroethane                 | 100         | 91.1       |               | ug/L |   | 91   | 70 - 125    |
| 1,1,2,2-Tetrachloroethane             | 100         | 93.8       |               | ug/L |   | 94   | 62 - 140    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 100         | 102        |               | ug/L |   | 102  | 70 - 123    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-766671/5

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,2-Trichloroethane       | 100         | 84.1       |               | ug/L |   | 84   | 71 - 130    |
| 1,1-Dichloroethane          | 100         | 92.8       |               | ug/L |   | 93   | 70 - 125    |
| 1,1-Dichloroethene          | 100         | 91.0       |               | ug/L |   | 91   | 67 - 122    |
| 1,1-Dichloropropene         | 100         | 99.4       |               | ug/L |   | 99   | 70 - 121    |
| 1,2,3-Trichlorobenzene      | 100         | 95.4       |               | ug/L |   | 95   | 51 - 145    |
| 1,2,3-Trichloropropane      | 100         | 89.1       |               | ug/L |   | 89   | 50 - 133    |
| 1,2,4-Trichlorobenzene      | 100         | 95.7       |               | ug/L |   | 96   | 57 - 137    |
| 1,2,4-Trimethylbenzene      | 100         | 98.7       |               | ug/L |   | 99   | 70 - 123    |
| 1,2-Dibromo-3-Chloropropane | 100         | 79.6       |               | ug/L |   | 80   | 56 - 123    |
| 1,2-Dibromoethane           | 100         | 89.4       |               | ug/L |   | 89   | 70 - 125    |
| 1,2-Dichlorobenzene         | 100         | 97.8       |               | ug/L |   | 98   | 70 - 125    |
| 1,2-Dichloroethane          | 100         | 103        |               | ug/L |   | 103  | 68 - 127    |
| 1,2-Dichloropropane         | 100         | 92.2       |               | ug/L |   | 92   | 67 - 130    |
| 1,3,5-Trimethylbenzene      | 100         | 105        |               | ug/L |   | 105  | 70 - 123    |
| 1,3-Dichlorobenzene         | 100         | 92.6       |               | ug/L |   | 93   | 70 - 125    |
| 1,3-Dichloropropane         | 100         | 95.0       |               | ug/L |   | 95   | 62 - 136    |
| 1,4-Dichlorobenzene         | 100         | 93.6       |               | ug/L |   | 94   | 70 - 120    |
| 2,2-Dichloropropane         | 100         | 94.5       |               | ug/L |   | 95   | 58 - 139    |
| 2-Butanone (MEK)            | 50.0        | 51.0       |               | ug/L |   | 102  | 46 - 144    |
| 2-Chlorotoluene             | 100         | 85.3       |               | ug/L |   | 85   | 70 - 125    |
| 2-Hexanone                  | 50.0        | 42.2       |               | ug/L |   | 84   | 54 - 146    |
| 4-Chlorotoluene             | 100         | 100        |               | ug/L |   | 100  | 68 - 124    |
| 4-Methyl-2-pentanone (MIBK) | 50.0        | 41.4       |               | ug/L |   | 83   | 55 - 139    |
| Acetone                     | 50.0        | 38.9       |               | ug/L |   | 78   | 40 - 143    |
| Benzene                     | 100         | 92.6       |               | ug/L |   | 93   | 70 - 120    |
| Bromobenzene                | 100         | 89.9       |               | ug/L |   | 90   | 70 - 122    |
| Bromochloromethane          | 100         | 86.6       |               | ug/L |   | 87   | 65 - 122    |
| Bromodichloromethane        | 100         | 82.1       |               | ug/L |   | 82   | 69 - 120    |
| Bromoform                   | 100         | 104        |               | ug/L |   | 104  | 56 - 132    |
| Bromomethane                | 50.0        | 55.8       |               | ug/L |   | 112  | 40 - 152    |
| Carbon disulfide            | 100         | 95.2       |               | ug/L |   | 95   | 66 - 120    |
| Carbon tetrachloride        | 100         | 102        |               | ug/L |   | 102  | 59 - 133    |
| Chlorobenzene               | 100         | 88.8       |               | ug/L |   | 89   | 70 - 120    |
| Chloroethane                | 50.0        | 58.9       |               | ug/L |   | 118  | 48 - 136    |
| Chloroform                  | 100         | 79.5       |               | ug/L |   | 79   | 70 - 120    |
| Chloromethane               | 50.0        | 50.1       |               | ug/L |   | 100  | 56 - 152    |
| cis-1,2-Dichloroethene      | 100         | 86.4       |               | ug/L |   | 86   | 70 - 125    |
| cis-1,3-Dichloropropene     | 100         | 83.6       |               | ug/L |   | 84   | 64 - 127    |
| Dibromochloromethane        | 100         | 93.4       |               | ug/L |   | 93   | 68 - 125    |
| Dibromomethane              | 100         | 94.2       |               | ug/L |   | 94   | 70 - 120    |
| Dichlorodifluoromethane     | 50.0        | 53.3       |               | ug/L |   | 107  | 40 - 159    |
| Ethylbenzene                | 100         | 97.9       |               | ug/L |   | 98   | 70 - 123    |
| Hexachlorobutadiene         | 100         | 93.4       |               | ug/L |   | 93   | 51 - 150    |
| Isopropylbenzene            | 100         | 89.6       |               | ug/L |   | 90   | 70 - 126    |
| m-Xylene & p-Xylene         | 100         | 99.6       |               | ug/L |   | 100  | 70 - 125    |
| Methyl tert-butyl ether     | 100         | 104        |               | ug/L |   | 104  | 55 - 123    |
| Methylene Chloride          | 100         | 85.3       |               | ug/L |   | 85   | 69 - 125    |
| Naphthalene                 | 100         | 104        |               | ug/L |   | 104  | 53 - 144    |
| n-Butylbenzene              | 100         | 112        |               | ug/L |   | 112  | 68 - 125    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-766671/5

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| n-Hexane                  | 100         | 118        |               | ug/L |   | 118  | 65 - 142    |
| N-Propylbenzene           | 100         | 93.0       |               | ug/L |   | 93   | 69 - 127    |
| o-Xylene                  | 100         | 112        |               | ug/L |   | 112  | 70 - 120    |
| p-Isopropyltoluene        | 100         | 102        |               | ug/L |   | 102  | 70 - 125    |
| sec-Butylbenzene          | 100         | 97.6       |               | ug/L |   | 98   | 70 - 123    |
| Styrene                   | 100         | 109        |               | ug/L |   | 109  | 70 - 120    |
| tert-Butylbenzene         | 100         | 95.6       |               | ug/L |   | 96   | 70 - 121    |
| Tetrachloroethene         | 100         | 103        |               | ug/L |   | 103  | 70 - 128    |
| Tetrahydrofuran           | 200         | 194        |               | ug/L |   | 97   | 59 - 139    |
| Toluene                   | 100         | 82.4       |               | ug/L |   | 82   | 70 - 125    |
| trans-1,2-Dichloroethene  | 100         | 98.0       |               | ug/L |   | 98   | 70 - 125    |
| trans-1,3-Dichloropropene | 100         | 87.0       |               | ug/L |   | 87   | 62 - 128    |
| Trichloroethene           | 100         | 93.1       |               | ug/L |   | 93   | 70 - 125    |
| Trichlorofluoromethane    | 50.0        | 47.7       |               | ug/L |   | 95   | 55 - 128    |
| Vinyl chloride            | 50.0        | 42.9       |               | ug/L |   | 86   | 64 - 126    |
| Xylenes, Total            | 200         | 212        |               | ug/L |   | 106  | 70 - 125    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 94            |               | 75 - 126 |
| 4-Bromofluorobenzene (Surr)  | 95            |               | 72 - 124 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 120 |
| Toluene-d8 (Surr)            | 109           |               | 75 - 120 |

Lab Sample ID: LCSD 500-766671/6

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 100         | 93.1        |                | ug/L |   | 93   | 70 - 125    | 0   | 20        |
| 1,1,1-Trichloroethane                 | 100         | 94.6        |                | ug/L |   | 95   | 70 - 125    | 4   | 20        |
| 1,1,2,2-Tetrachloroethane             | 100         | 93.4        |                | ug/L |   | 93   | 62 - 140    | 0   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 100         | 111         |                | ug/L |   | 111  | 70 - 123    | 8   | 20        |
| 1,1,2-Trichloroethane                 | 100         | 86.8        |                | ug/L |   | 87   | 71 - 130    | 3   | 20        |
| 1,1-Dichloroethane                    | 100         | 92.3        |                | ug/L |   | 92   | 70 - 125    | 1   | 20        |
| 1,1-Dichloroethene                    | 100         | 97.2        |                | ug/L |   | 97   | 67 - 122    | 7   | 20        |
| 1,1-Dichloropropene                   | 100         | 106         |                | ug/L |   | 106  | 70 - 121    | 6   | 20        |
| 1,2,3-Trichlorobenzene                | 100         | 101         |                | ug/L |   | 101  | 51 - 145    | 6   | 20        |
| 1,2,3-Trichloropropane                | 100         | 85.7        |                | ug/L |   | 86   | 50 - 133    | 4   | 20        |
| 1,2,4-Trichlorobenzene                | 100         | 99.5        |                | ug/L |   | 100  | 57 - 137    | 4   | 20        |
| 1,2,4-Trimethylbenzene                | 100         | 102         |                | ug/L |   | 102  | 70 - 123    | 4   | 20        |
| 1,2-Dibromo-3-Chloropropane           | 100         | 78.9        |                | ug/L |   | 79   | 56 - 123    | 1   | 20        |
| 1,2-Dibromoethane                     | 100         | 92.7        |                | ug/L |   | 93   | 70 - 125    | 4   | 20        |
| 1,2-Dichlorobenzene                   | 100         | 99.6        |                | ug/L |   | 100  | 70 - 125    | 2   | 20        |
| 1,2-Dichloroethane                    | 100         | 109         |                | ug/L |   | 109  | 68 - 127    | 6   | 20        |
| 1,2-Dichloropropane                   | 100         | 97.6        |                | ug/L |   | 98   | 67 - 130    | 6   | 20        |
| 1,3,5-Trimethylbenzene                | 100         | 107         |                | ug/L |   | 107  | 70 - 123    | 2   | 20        |
| 1,3-Dichlorobenzene                   | 100         | 93.4        |                | ug/L |   | 93   | 70 - 125    | 1   | 20        |
| 1,3-Dichloropropane                   | 100         | 99.3        |                | ug/L |   | 99   | 62 - 136    | 4   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-766671/6

Matrix: Water

Analysis Batch: 766671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,4-Dichlorobenzene         | 100         | 93.9        |                | ug/L |   | 94   | 70 - 120    | 0   | 20        |
| 2,2-Dichloropropane         | 100         | 104         |                | ug/L |   | 104  | 58 - 139    | 10  | 20        |
| 2-Butanone (MEK)            | 50.0        | 54.2        |                | ug/L |   | 108  | 46 - 144    | 6   | 20        |
| 2-Chlorotoluene             | 100         | 87.6        |                | ug/L |   | 88   | 70 - 125    | 3   | 20        |
| 2-Hexanone                  | 50.0        | 45.8        |                | ug/L |   | 92   | 54 - 146    | 8   | 20        |
| 4-Chlorotoluene             | 100         | 104         |                | ug/L |   | 104  | 68 - 124    | 3   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 50.0        | 47.2        |                | ug/L |   | 94   | 55 - 139    | 13  | 20        |
| Acetone                     | 50.0        | 37.5        |                | ug/L |   | 75   | 40 - 143    | 4   | 20        |
| Benzene                     | 100         | 98.5        |                | ug/L |   | 99   | 70 - 120    | 6   | 20        |
| Bromobenzene                | 100         | 91.4        |                | ug/L |   | 91   | 70 - 122    | 2   | 20        |
| Bromochloromethane          | 100         | 89.5        |                | ug/L |   | 89   | 65 - 122    | 3   | 20        |
| Bromodichloromethane        | 100         | 87.7        |                | ug/L |   | 88   | 69 - 120    | 7   | 20        |
| Bromoform                   | 100         | 106         |                | ug/L |   | 106  | 56 - 132    | 2   | 20        |
| Bromomethane                | 50.0        | 47.8        |                | ug/L |   | 96   | 40 - 152    | 15  | 20        |
| Carbon disulfide            | 100         | 89.8        |                | ug/L |   | 90   | 66 - 120    | 6   | 20        |
| Carbon tetrachloride        | 100         | 107         |                | ug/L |   | 107  | 59 - 133    | 5   | 20        |
| Chlorobenzene               | 100         | 88.9        |                | ug/L |   | 89   | 70 - 120    | 0   | 20        |
| Chloroethane                | 50.0        | 53.5        |                | ug/L |   | 107  | 48 - 136    | 10  | 20        |
| Chloroform                  | 100         | 82.8        |                | ug/L |   | 83   | 70 - 120    | 4   | 20        |
| Chloromethane               | 50.0        | 48.4        |                | ug/L |   | 97   | 56 - 152    | 3   | 20        |
| cis-1,2-Dichloroethene      | 100         | 93.2        |                | ug/L |   | 93   | 70 - 125    | 8   | 20        |
| cis-1,3-Dichloropropene     | 100         | 87.5        |                | ug/L |   | 87   | 64 - 127    | 5   | 20        |
| Dibromochloromethane        | 100         | 95.8        |                | ug/L |   | 96   | 68 - 125    | 2   | 20        |
| Dibromomethane              | 100         | 98.3        |                | ug/L |   | 98   | 70 - 120    | 4   | 20        |
| Dichlorodifluoromethane     | 50.0        | 52.4        |                | ug/L |   | 105  | 40 - 159    | 2   | 20        |
| Ethylbenzene                | 100         | 93.0        |                | ug/L |   | 93   | 70 - 123    | 5   | 20        |
| Hexachlorobutadiene         | 100         | 97.5        |                | ug/L |   | 97   | 51 - 150    | 4   | 20        |
| Isopropylbenzene            | 100         | 92.3        |                | ug/L |   | 92   | 70 - 126    | 3   | 20        |
| m-Xylene & p-Xylene         | 100         | 97.3        |                | ug/L |   | 97   | 70 - 125    | 2   | 20        |
| Methyl tert-butyl ether     | 100         | 98.6        |                | ug/L |   | 99   | 55 - 123    | 5   | 20        |
| Methylene Chloride          | 100         | 84.7        |                | ug/L |   | 85   | 69 - 125    | 1   | 20        |
| Naphthalene                 | 100         | 104         |                | ug/L |   | 104  | 53 - 144    | 1   | 20        |
| n-Butylbenzene              | 100         | 113         |                | ug/L |   | 113  | 68 - 125    | 1   | 20        |
| n-Hexane                    | 100         | 119         |                | ug/L |   | 119  | 65 - 142    | 1   | 20        |
| N-Propylbenzene             | 100         | 94.3        |                | ug/L |   | 94   | 69 - 127    | 1   | 20        |
| o-Xylene                    | 100         | 111         |                | ug/L |   | 111  | 70 - 120    | 1   | 20        |
| p-Isopropyltoluene          | 100         | 106         |                | ug/L |   | 106  | 70 - 125    | 3   | 20        |
| sec-Butylbenzene            | 100         | 99.3        |                | ug/L |   | 99   | 70 - 123    | 2   | 20        |
| Styrene                     | 100         | 106         |                | ug/L |   | 106  | 70 - 120    | 3   | 20        |
| tert-Butylbenzene           | 100         | 95.7        |                | ug/L |   | 96   | 70 - 121    | 0   | 20        |
| Tetrachloroethene           | 100         | 108         |                | ug/L |   | 108  | 70 - 128    | 5   | 20        |
| Tetrahydrofuran             | 200         | 193         |                | ug/L |   | 96   | 59 - 139    | 1   | 20        |
| Toluene                     | 100         | 87.5        |                | ug/L |   | 88   | 70 - 125    | 6   | 20        |
| trans-1,2-Dichloroethene    | 100         | 91.6        |                | ug/L |   | 92   | 70 - 125    | 7   | 20        |
| trans-1,3-Dichloropropene   | 100         | 90.0        |                | ug/L |   | 90   | 62 - 128    | 3   | 20        |
| Trichloroethene             | 100         | 100         |                | ug/L |   | 100  | 70 - 125    | 7   | 20        |
| Trichlorofluoromethane      | 50.0        | 47.9        |                | ug/L |   | 96   | 55 - 128    | 0   | 20        |
| Vinyl chloride              | 50.0        | 45.9        |                | ug/L |   | 92   | 64 - 126    | 7   | 20        |
| Xylenes, Total              | 200         | 209         |                | ug/L |   | 104  | 70 - 125    | 2   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Surrogate                    | LCSD      |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 75 - 126 |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 72 - 124 |
| Dibromofluoromethane (Surr)  | 105       |           | 75 - 120 |
| Toluene-d8 (Surr)            | 112       |           | 75 - 120 |

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-466996/1-A

Matrix: Water

Analysis Batch: 467006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 466996

| Analyte  | MB      |           | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|---------|-----------|-------|--------|------|---|----------------|----------------|---------|
|          | Result  | Qualifier |       |        |      |   |                |                |         |
| PCB-1016 | <0.0048 |           | 0.010 | 0.0048 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| PCB-1221 | <0.0057 |           | 0.010 | 0.0057 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| PCB-1232 | <0.0052 |           | 0.010 | 0.0052 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| PCB-1242 | <0.0036 |           | 0.010 | 0.0036 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| PCB-1248 | <0.0080 |           | 0.010 | 0.0080 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| PCB-1254 | <0.0046 |           | 0.010 | 0.0046 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| PCB-1260 | <0.0039 |           | 0.010 | 0.0039 | ug/L |   | 04/30/24 21:55 | 05/01/24 17:10 | 1       |

| Surrogate                     | MB        |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                               | %Recovery | Qualifier |          |                |                |         |
| DCB Decachlorobiphenyl (Surr) | 68        |           | 53 - 129 | 04/30/24 21:55 | 05/01/24 17:10 | 1       |
| Tetrachloro-m-xylene (Surr)   | 66        |           | 58 - 125 | 04/30/24 21:55 | 05/01/24 17:10 | 1       |

Lab Sample ID: LCS 180-466996/4-A

Matrix: Water

Analysis Batch: 467006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 466996

| Analyte  | Spike Added | LCS    |           | Unit | D | %Rec | %Rec Limits |
|----------|-------------|--------|-----------|------|---|------|-------------|
|          |             | Result | Qualifier |      |   |      |             |
| PCB-1016 | 2.00        | 1.30   |           | ug/L |   | 65   | 47 - 119    |
| PCB-1260 | 2.00        | 1.43   |           | ug/L |   | 72   | 43 - 116    |

| Surrogate                     | LCS       |           | Limits   |
|-------------------------------|-----------|-----------|----------|
|                               | %Recovery | Qualifier |          |
| DCB Decachlorobiphenyl (Surr) | 102       |           | 53 - 129 |
| Tetrachloro-m-xylene (Surr)   | 100       |           | 58 - 125 |

Lab Sample ID: LCSD 180-466996/5-A

Matrix: Water

Analysis Batch: 467006

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 466996

| Analyte  | Spike Added | LCSD   |           | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|----------|-------------|--------|-----------|------|---|------|-------------|-----|-------|
|          |             | Result | Qualifier |      |   |      |             |     |       |
| PCB-1016 | 2.00        | 1.34   |           | ug/L |   | 67   | 47 - 119    | 3   | 35    |
| PCB-1260 | 2.00        | 1.44   |           | ug/L |   | 72   | 43 - 116    | 1   | 35    |

| Surrogate                     | LCSD      |           | Limits   |
|-------------------------------|-----------|-----------|----------|
|                               | %Recovery | Qualifier |          |
| DCB Decachlorobiphenyl (Surr) | 107       |           | 53 - 129 |
| Tetrachloro-m-xylene (Surr)   | 104       |           | 58 - 125 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-765503/1  
Matrix: Water  
Analysis Batch: 765503

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

| Analyte                | MB<br>Result | MB<br>Qualifier | LOQ  | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <4.3         |                 | 10.0 | 4.3 | mg/L |   |          | 04/30/24 01:19 | 1       |

Lab Sample ID: LCS 500-765503/2  
Matrix: Water  
Analysis Batch: 765503

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

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Total Dissolved Solids | 250            | 254.0         |                  | mg/L |   | 102  | 80 - 120       |

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-765473/1  
Matrix: Water  
Analysis Batch: 765473

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

| Analyte                | MB<br>Result | MB<br>Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | <1.9         |                 | 5.0 | 1.9 | mg/L |   |          | 04/29/24 16:11 | 1       |

Lab Sample ID: LCS 500-765473/2  
Matrix: Water  
Analysis Batch: 765473

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

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Total Suspended Solids | 200            | 165.5         |                  | mg/L |   | 83   | 80 - 120       |

Lab Sample ID: 500-249662-5 DU  
Matrix: Water  
Analysis Batch: 765473

Client Sample ID: MW-5S-202404  
Prep Type: Total/NA

| Analyte                | Sample<br>Result | Sample<br>Qualifier | DU<br>Result | DU<br>Qualifier | Unit | D | RPD | RPD<br>Limit |
|------------------------|------------------|---------------------|--------------|-----------------|------|---|-----|--------------|
| Total Suspended Solids | <1.9             |                     | <1.9         |                 | mg/L |   | NC  | 5            |

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

**Client Sample ID: MW-2D-202404**

**Lab Sample ID: 500-249662-1**

**Date Collected: 04/24/24 15:34**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 12:53       |

**Client Sample ID: MW-3D-202404**

**Lab Sample ID: 500-249662-2**

**Date Collected: 04/24/24 16:56**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 13:16       |
| Total/NA  | Analysis   | 8260D        | DL  | 10              | 766671       | PMF     | EET CHI | 05/07/24 13:39       |

**Client Sample ID: MW-3D2-202404**

**Lab Sample ID: 500-249662-3**

**Date Collected: 04/24/24 16:34**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 14:02       |

**Client Sample ID: MW-4D2-202404**

**Lab Sample ID: 500-249662-4**

**Date Collected: 04/24/24 15:24**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 14:25       |

**Client Sample ID: MW-5S-202404**

**Lab Sample ID: 500-249662-5**

**Date Collected: 04/23/24 15:33**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Prep       | 3510C        |     |                 | 466996       | CBY     | EET PIT | 04/30/24 21:55                               |
| Total/NA  | Analysis   | EPA 8082A    |     | 1               | 467006       | JMO     | EET PIT | 05/01/24 18:06                               |
| Total/NA  | Analysis   | SM 2540C     |     | 1               | 765503       | CLB     | EET CHI | 04/30/24 02:15                               |
| Total/NA  | Analysis   | SM 2540D     |     | 1               | 765473       | SO      | EET CHI | 04/29/24 16:31 - 04/29/24 16:32 <sup>1</sup> |

**Client Sample ID: MW-5D-202404**

**Lab Sample ID: 500-249662-6**

**Date Collected: 04/23/24 16:45**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        | DL  | 10              | 766510       | W1T     | EET CHI | 05/06/24 14:42       |
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 17:08       |

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

**Client Sample ID: MW-5D2-202404**

**Lab Sample ID: 500-249662-7**

**Date Collected: 04/23/24 17:47**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 766401       | EA      | EET CHI | 05/05/24 17:32       |
| Total/NA  | Analysis   | 8260D        | DL  | 50              | 766401       | EA      | EET CHI | 05/05/24 17:57       |

**Client Sample ID: MW-5D3-202404**

**Lab Sample ID: 500-249662-8**

**Date Collected: 04/23/24 16:18**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 11:26       |

**Client Sample ID: MW-6D-202404**

**Lab Sample ID: 500-249662-9**

**Date Collected: 04/24/24 14:19**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 14:48       |
| Total/NA  | Analysis   | 8260D        | DL  | 10              | 766671       | PMF     | EET CHI | 05/07/24 15:11       |

**Client Sample ID: MW-9D2-202404**

**Lab Sample ID: 500-249662-10**

**Date Collected: 04/24/24 14:46**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 15:34       |
| Total/NA  | Analysis   | 8260D        | DL  | 10              | 766671       | PMF     | EET CHI | 05/07/24 15:57       |

**Client Sample ID: MW-17-202404**

**Lab Sample ID: 500-249662-11**

**Date Collected: 04/24/24 12:11**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 16:20       |
| Total/NA  | Analysis   | 8260D        | DL  | 10              | 766671       | PMF     | EET CHI | 05/07/24 16:43       |

**Client Sample ID: MW-25D2-202404**

**Lab Sample ID: 500-249662-12**

**Date Collected: 04/23/24 11:45**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 11:50       |

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

**Client Sample ID: MW-27D-202404**

**Lab Sample ID: 500-249662-13**

**Date Collected: 04/23/24 13:35**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 12:14       |

**Client Sample ID: MP-14 (135-140)-202404**

**Lab Sample ID: 500-249662-14**

**Date Collected: 04/22/24 15:00**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 12:39       |

**Client Sample ID: MP-16 (140-144)-202404**

**Lab Sample ID: 500-249662-15**

**Date Collected: 04/22/24 14:05**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 11:01       |

**Client Sample ID: DUP-01-202404**

**Lab Sample ID: 500-249662-16**

**Date Collected: 04/23/24 00:00**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed                         |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------------------------------|
| Total/NA  | Prep       | 3510C        |     |                 | 466996       | CBY     | EET PIT | 04/30/24 21:55                               |
| Total/NA  | Analysis   | EPA 8082A    |     | 1               | 467006       | JMO     | EET PIT | 05/01/24 18:25                               |
| Total/NA  | Analysis   | SM 2540C     |     | 1               | 765503       | CLB     | EET CHI | 04/30/24 02:18                               |
| Total/NA  | Analysis   | SM 2540D     |     | 1               | 765473       | SO      | EET CHI | 04/29/24 16:33 - 04/29/24 16:35 <sup>1</sup> |

**Client Sample ID: DUP-02-202404**

**Lab Sample ID: 500-249662-17**

**Date Collected: 04/23/24 00:00**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 766401       | EA      | EET CHI | 05/05/24 18:21       |
| Total/NA  | Analysis   | 8260D        | DL  | 50              | 766401       | EA      | EET CHI | 05/05/24 18:46       |

**Client Sample ID: DUP-03-202404**

**Lab Sample ID: 500-249662-18**

**Date Collected: 04/24/24 00:00**

**Matrix: Water**

**Date Received: 04/27/24 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 17:06       |
| Total/NA  | Analysis   | 8260D        | DL  | 10              | 766671       | PMF     | EET CHI | 05/07/24 17:29       |

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

**Client Sample ID: FB-01-202404**  
**Date Collected: 04/24/24 16:10**  
**Date Received: 04/27/24 09:35**

**Lab Sample ID: 500-249662-19**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766671       | PMF     | EET CHI | 05/07/24 17:52       |

**Client Sample ID: TRIP BLANK**  
**Date Collected: 04/22/24 00:00**  
**Date Received: 04/27/24 09:35**

**Lab Sample ID: 500-249662-20**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 766401       | EA      | EET CHI | 05/05/24 10:37       |

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

**Laboratory References:**  
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200  
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-249662-1

Laboratory: Eurofins Chicago

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 999580010             | 08-31-24        |

Laboratory: Eurofins Pittsburgh

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 998027800             | 08-31-24        |

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## Eurofins Chicago

2417 Bond Street

University Park, IL 60484-3101  
phone 708 534 5200 fax 708 534 5211

## Chain of Custody Record

Environment Testing  
AmericaRegulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

|                                                                                                                                                                                                            |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      |                                                                                                                                      |                                |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------|
| <b>Client Contact</b>                                                                                                                                                                                      |  | <b>Project Manager: Andy Stehn</b>                                                                                                                  |                    | <b>Site Contact: Andy Stehn</b>                                                                       |               | <b>Date: 04/25/2024</b>                              |                                                                                                                                      | <b>COC No</b>                  |                              |
| Email astehn@trccompanies.com                                                                                                                                                                              |  | Tel/Fax: 608-807-8112                                                                                                                               |                    | Lab Contact: Sandie Fredrick                                                                          |               | Carrier: FedEx                                       |                                                                                                                                      | 1 of 2 COCs                    |                              |
| TRC Environmental                                                                                                                                                                                          |  | <b>Analysis Turnaround Time</b>                                                                                                                     |                    | <br>500-249662 COC |               |                                                      |                                                                                                                                      | TALS Project #                 |                              |
| 999 Fourier Dr Ste 101                                                                                                                                                                                     |  | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS                                                                        |                    |                                                                                                       |               |                                                      |                                                                                                                                      | Sampler <i>Tom Perkins</i>     |                              |
| Madison, WI 53717                                                                                                                                                                                          |  | TAT if different from Below _____                                                                                                                   |                    |                                                                                                       |               |                                                      |                                                                                                                                      | For Lab Use Only:              |                              |
| 608-234-7374 Phone                                                                                                                                                                                         |  | <input checked="" type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |                    |                                                                                                       |               |                                                      |                                                                                                                                      | Walk-in Client<br>Lab Sampling |                              |
| Project Name MKC Sem-Annual Sampling                                                                                                                                                                       |  | Sample Type (C=Comp, G=Grab)                                                                                                                        |                    | Matrix                                                                                                |               | # of Cont.                                           |                                                                                                                                      | Job / SDG No                   |                              |
| Site Madison Kipp                                                                                                                                                                                          |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      |                                                                                                                                      | 500-249662                     |                              |
| P O # 215524                                                                                                                                                                                               |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      |                                                                                                                                      |                                |                              |
| <b>Sample Identification</b>                                                                                                                                                                               |  | <b>Sample Date</b>                                                                                                                                  | <b>Sample Time</b> | <b>Sample Type</b>                                                                                    | <b>Matrix</b> | <b># of Cont.</b>                                    | <b>Filtered Sample (Y/N)</b>                                                                                                         | <b>Perform MS / MSD (Y/N)</b>  | <b>Sample Specific Notes</b> |
| MW-2D-202404                                                                                                                                                                                               |  | 10/24/24                                                                                                                                            | 15 34              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-3D-202404                                                                                                                                                                                               |  | 10/24/24                                                                                                                                            | 16 56              | G                                                                                                     | GW            | 9                                                    | N                                                                                                                                    | x                              |                              |
| MW-3D2-202404                                                                                                                                                                                              |  | 10/24/24                                                                                                                                            | 16 34              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-4D2-202404                                                                                                                                                                                              |  | 10/24/24                                                                                                                                            | 15 24              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-5S-202404                                                                                                                                                                                               |  | 10/23/24                                                                                                                                            | 15 33              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x x x                          |                              |
| MW-5D-202404                                                                                                                                                                                               |  | 10/23/24                                                                                                                                            | 16 45              | G                                                                                                     | GW            | 9                                                    | N                                                                                                                                    | x                              |                              |
| MW-5D2-202404                                                                                                                                                                                              |  | 10/23/24                                                                                                                                            | 17 47              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-5D3-202404                                                                                                                                                                                              |  | 10/23/24                                                                                                                                            | 16 18              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | Y x                            |                              |
| MW-6D-202404                                                                                                                                                                                               |  | 10/24/24                                                                                                                                            | 14 19              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-9D2-202404                                                                                                                                                                                              |  | 10/24/24                                                                                                                                            | 14 46              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-17-202404                                                                                                                                                                                               |  | 10/24/24                                                                                                                                            | 12 11              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| MW-25D2-202404                                                                                                                                                                                             |  | 10/23/24                                                                                                                                            | 11 45              | G                                                                                                     | GW            | 3                                                    | N                                                                                                                                    | x                              |                              |
| <b>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other</b>                                                                                                                               |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      | 2 1 1 1                                                                                                                              |                                |                              |
| <b>Possible Hazard Identification:</b><br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>                                          |                                |                              |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                           |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |                                |                              |
| <b>Special Instructions/QC Requirements &amp; Comments:</b>                                                                                                                                                |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      |                                                                                                                                      |                                |                              |
| 2.6+2.2                                                                                                                                                                                                    |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      |                                                                                                                                      |                                |                              |
| Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                              |  | Custody Seal No                                                                                                                                     |                    | Cooler Temp (°C) Obs'd                                                                                |               | Corr'd                                               |                                                                                                                                      | Therm ID No                    |                              |
| Relinquished by <i>TK</i>                                                                                                                                                                                  |  | Company <i>TK</i>                                                                                                                                   |                    | Date/Time <i>4/26/24/1600</i>                                                                         |               | Received by                                          |                                                                                                                                      | Company                        |                              |
| Relinquished by                                                                                                                                                                                            |  | Company                                                                                                                                             |                    | Date/Time                                                                                             |               | Received by                                          |                                                                                                                                      | Company                        |                              |
| Relinquished by                                                                                                                                                                                            |  | Company                                                                                                                                             |                    | Date/Time                                                                                             |               | Received in Laboratory by <i>Stephanie Hernandez</i> |                                                                                                                                      | Company <i>EEIA</i>            |                              |
|                                                                                                                                                                                                            |  |                                                                                                                                                     |                    |                                                                                                       |               |                                                      |                                                                                                                                      | Date/Time <i>4/27/24 0935</i>  |                              |

## Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

**Eurofins Environment Testing America**

|                                                                                                                                                                                                     |          |                                                                              |             |                                 |        |                            |                                                                                                                                      |                        |      |                         |     |     |                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------|-------------|---------------------------------|--------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|-------------------------|-----|-----|-----------------------|--|
| Client Contact                                                                                                                                                                                      |          | Project Manager: Andy Stehn                                                  |             | Site Contact: Andy Stehn        |        | Date: 04/25/2024           |                                                                                                                                      | COC No                 |      |                         |     |     |                       |  |
| TRC Environmental                                                                                                                                                                                   |          | Email: astehn@trccompanies.com                                               |             | Lab Contact: Sandle Fredrick    |        | Carrier: FedEx             |                                                                                                                                      | 2 of 2 COCs            |      |                         |     |     |                       |  |
| 999 Fourier Dr Ste 101                                                                                                                                                                              |          | Tel/Fax: 608-807-8112                                                        |             |                                 |        |                            |                                                                                                                                      | TALS Project #         |      |                         |     |     |                       |  |
| Madison, WI 53717                                                                                                                                                                                   |          | Analysis Turnaround Time                                                     |             |                                 |        |                            |                                                                                                                                      | Sampler: Tom Perkins   |      |                         |     |     |                       |  |
| 608-234-7374 Phone                                                                                                                                                                                  |          | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS |             |                                 |        |                            |                                                                                                                                      | For Lab Use Only:      |      |                         |     |     |                       |  |
|                                                                                                                                                                                                     |          | TAT if different from Below _____                                            |             |                                 |        |                            |                                                                                                                                      | Walk-in Client         |      |                         |     |     |                       |  |
| Project Name: MKC Sem-Annual Sampling                                                                                                                                                               |          | <input checked="" type="checkbox"/> 2 weeks                                  |             |                                 |        |                            |                                                                                                                                      | Lab Sampling           |      |                         |     |     |                       |  |
| Site: Madison Kipp                                                                                                                                                                                  |          | <input type="checkbox"/> 1 week                                              |             |                                 |        |                            |                                                                                                                                      |                        |      |                         |     |     |                       |  |
| P O # 215524                                                                                                                                                                                        |          | <input type="checkbox"/> 2 days                                              |             |                                 |        |                            |                                                                                                                                      | Job / SDG No.          |      |                         |     |     |                       |  |
|                                                                                                                                                                                                     |          | <input type="checkbox"/> 1 day                                               |             |                                 |        |                            |                                                                                                                                      | 500-2491002            |      |                         |     |     |                       |  |
| Sample Identification                                                                                                                                                                               |          | Sample Date                                                                  | Sample Time | Sample Type<br>(C=Comp, G=Grab) | Matrix | # of Cont.                 | Filtered Sample (Y/N)                                                                                                                | Perform MS / MSD (Y/N) | VOCs | PCBs                    | TSS | TDS | Sample Specific Notes |  |
| MW-27D 202404                                                                                                                                                                                       | 10/23/24 | 13 35                                                                        | G           | GW                              | 3      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| MP-14 (135-140)-202404                                                                                                                                                                              | 10/22/24 | 15 00                                                                        | G           | GW                              | 3      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| MP-16 (140-144)-202404                                                                                                                                                                              | 10/22/24 | 14 05                                                                        | G           | GW                              | 3      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| DUP-01-202404                                                                                                                                                                                       | 10/23/24 | --                                                                           | G           | GW                              | 4      | N                          | N                                                                                                                                    |                        | x    | x                       | x   |     |                       |  |
| DUP-02-202404                                                                                                                                                                                       | 10/23/24 | --                                                                           | G           | GW                              | 3      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| DUP-03-202404                                                                                                                                                                                       | 10/24/24 | --                                                                           | G           | GW                              | 3      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| FB-01-202404                                                                                                                                                                                        | 10/24/24 | 1610                                                                         | G           | W                               | 3      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| TRIP BLANK                                                                                                                                                                                          | --       | --                                                                           | --          | W                               | 2      | N                          | N                                                                                                                                    | x                      |      |                         |     |     |                       |  |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other                                                                                                                               |          |                                                                              |             |                                 |        |                            | 2                                                                                                                                    | 1                      | 1    | 1                       |     |     |                       |  |
| Possible Hazard Identification:<br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample |          |                                                                              |             |                                 |        |                            | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)                                                  |                        |      |                         |     |     |                       |  |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                    |          |                                                                              |             |                                 |        |                            | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |                        |      |                         |     |     |                       |  |
| Special Instructions/QC Requirements & Comments:                                                                                                                                                    |          |                                                                              |             |                                 |        |                            |                                                                                                                                      |                        |      |                         |     |     |                       |  |
| Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                       |          | Custody Seal No                                                              |             | Cooler Temp (°C) Obs'd          |        | Corr'd                     |                                                                                                                                      | Therm ID No            |      |                         |     |     |                       |  |
| Relinquished by:                                                                                                                                                                                    |          | Company: TRC                                                                 |             | Date/Time: 4/26/24/1600         |        | Received by:               |                                                                                                                                      | Company:               |      | Date/Time:              |     |     |                       |  |
| Relinquished by:                                                                                                                                                                                    |          | Company:                                                                     |             | Date/Time:                      |        | Received by:               |                                                                                                                                      | Company:               |      | Date/Time:              |     |     |                       |  |
| Relinquished by:                                                                                                                                                                                    |          | Company:                                                                     |             | Date/Time:                      |        | Received in Laboratory by: |                                                                                                                                      | Company:               |      | Date/Time: 4/27/24 0935 |     |     |                       |  |

5/13/2024

Phone 708-534-5200 Fax 708-534-5211

Post/PCB  
33EE

## Chain of Custody Record



## Environment Testing

[illegible]

Ver: 06/08/2021

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-249662-1

Login Number: 249662

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

| Question                                                                                 | Answer | Comment                             |
|------------------------------------------------------------------------------------------|--------|-------------------------------------|
| Radioactivity wasn't checked or is $\leq$ 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   | 2.2                                 |
| 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  | Refer to Job Narrative for details. |
| 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 $<6\text{mm}$ (1/4"). | True   |                                     |
| Multiphasic samples are not present.                                                     | True   |                                     |
| Samples do not require splitting or compositing.                                         | True   |                                     |
| Residual Chlorine Checked.                                                               | N/A    |                                     |

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-249662-1

**Login Number: 249662**

**List Number: 2**

**Creator: Rucker, Keenyn J**

**List Source: Eurofins Pittsburgh**

**List Creation: 04/30/24 12:50 PM**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| 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   |         |
| 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.                  | True   |         |
| 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 11/7/2024 8:12:21 AM

## JOB DESCRIPTION

MKC Semi-Annual Sampling

## JOB NUMBER

500-259162-1



# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
11/7/2024 8:12:21 AM

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660

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# Case Narrative

Client: TRC Environmental Corporation  
Project: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Job ID: 500-259162-1**

**Eurofins Chicago**

## Job Narrative 500-259162-1

### Receipt

The samples were received on 10/26/2024 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3° C.

### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. sample #23,MS,MSD COC list sample time as 1405 however all container labels list 1410. Logged per COC.

### GC/MS VOA

Method 8260D: For Method 8260, the continuing calibration verification (CCV) associated with batch 280-673258 recovered above the upper control limit (20%) for Chloromethane at 20.8%. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-13 (044-048)-202410 (500-259162-1), MP-13 (067-071)-202410 (500-259162-2), MP-13 (081-085)-202410 (500-259162-3), MP-13 (102-106)-202410 (500-259162-4), MP-14 (100-105)-202410 (500-259162-8), MP-14 (135-140)-202410 (500-259162-9), MP-15 (100-105)-202410 (500-259162-12), MP-15 (120-125)-202410 (500-259162-13), MP-15 (142-146)-202410 (500-259162-14), MP-15 (177-187)-202410 (500-259162-15), MP-16 (106-116)-202410 (500-259162-16), MP-16 (140-144)-202410 (500-259162-17) and (CCV 280-673258/2).

Method 8260D: In analytical batch 280-673258 for Method 8260, the following samples were diluted to bring the concentration of target analytes within the calibration range: MP-13 (044-048)-202410 (500-259162-1), MP-13 (081-085)-202410 (500-259162-3), MP-13 (102-106)-202410 (500-259162-4), MP-15 (100-105)-202410 (500-259162-12), MP-15 (120-125)-202410 (500-259162-13) and MP-15 (142-146)-202410 (500-259162-14). Elevated reporting limits (RLs) are provided.

Method 8260D: Insufficient sample volume was available to perform a matrix spike and matrix spike duplicate (MS/MSD) associated with analytical batch analytical batch 280-673258. A laboratory control sample and laboratory control sample duplicate (LCS/LCSD) was analyzed for batch precision and accuracy. MP-13 (044-048)-202410 (500-259162-1), MP-13 (067-071)-202410 (500-259162-2), MP-13 (081-085)-202410 (500-259162-3), MP-13 (102-106)-202410 (500-259162-4), MP-14 (100-105)-202410 (500-259162-8), MP-14 (135-140)-202410 (500-259162-9), MP-15 (100-105)-202410 (500-259162-12), MP-15 (120-125)-202410 (500-259162-13), MP-15 (142-146)-202410 (500-259162-14), MP-15 (177-187)-202410 (500-259162-15), MP-16 (106-116)-202410 (500-259162-16) and MP-16 (140-144)-202410 (500-259162-17)

Method 8260D: Supplementary spike compounds were omitted in the analysis of the matrix spike/matrix spike duplicate (MS/MSD). These compounds cannot be spiked in the MS/MSD because they affect the recovery of other compounds. An LCS/LCSD pair was analyzed for batch precision and accuracy. MP-16 (175-179)-202410 (500-259162-18), MW-09D-202410 (500-259162-32), MW-09D2-202410 (500-259162-33), (280-198687-D-19), (280-198687-E-19 MS), (280-198687-E-19 MSD), (280-198870-G-2), (280-198870-C-2 MS) and (280-198870-C-2 MSD)

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 280-673539 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. MP-16 (175-179)-202410 (500-259162-18), MW-09D-202410 (500-259162-32), MW-09D2-202410 (500-259162-33), (280-198687-D-19), (280-198687-E-19 MS), (280-198687-E-19 MSD), (280-198870-G-2), (280-198870-C-2 MS) and (280-198870-C-2 MSD)

Method 8260D: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 280-673539: 1,2-Dibromo-3-Chloropropane (-23.5 limit 20) and Dichlorodifluoromethane (-26.8 limit 20). These are poor performing analytes that recovered within control limits in both the LCS/LCSD. The associated samples were non-detect for the affected analytes; therefore, the data have been reported. MP-16 (175-179)-202410 (500-259162-18), MW-09D-202410 (500-259162-32), MW-09D2-202410 (500-259162-33) and (CCV 280-673539/2)

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with significant headspace in the sample container(s): MW-09D2-202410 (500-259162-33). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-09D2-202410 (500-259162-33). Elevated reporting limits (RLs) are provided.

Method 8260D: The following sample was diluted due to the nature of the sample matrix: MP-13 (121-125)-202410 (500-259162-5) MP-13 (135-139)-202410 (500-259162-6) MP-13 (163-167)-202410 (500-259162-7) MP-14 (170-178)-202410 (500-259162-10) and MP-15 (088-092)-202410 (500-259162-11). Elevated reporting limits (RLs) are provided.

Eurofins Chicago

## Case Narrative

Client: TRC Environmental Corporation  
Project: MKC Semi-Annual Sampling

Job ID: 500-259162-1

### Job ID: 500-259162-1 (Continued)

Eurofins Chicago

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-673671 recovered above the upper control limit for Dichlorodifluoromethane and Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-13 (121-125)-202410 (500-259162-5), MP-13 (135-139)-202410 (500-259162-6), MP-13 (163-167)-202410 (500-259162-7), MP-14 (170-178)-202410 (500-259162-10), MP-15 (088-092)-202410 (500-259162-11) and (CCV 280-673671/2).

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 280-673671. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. MP-13 (121-125)-202410 (500-259162-5), MP-13 (135-139)-202410 (500-259162-6), MP-13 (163-167)-202410 (500-259162-7), MP-14 (170-178)-202410 (500-259162-10) and MP-15 (088-092)-202410 (500-259162-11)

Method 8260D: Supplementary spike compounds were intentionally omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD) due to co-elution issues; therefore, recoveries are unavailable for the following compounds: Isopropyl ether. Insufficient sample volume is remaining to make a separate MS/MSD for supplementary spike compounds. The associated laboratory control sample (LCS) and LCSD met acceptance criteria for accuracy and precision. The following samples are affected: MW-25D2-202410 (500-259162-36[MS]) and MW-25D2-202410 (500-259162-36[MSD]).

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 280-673689 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated sample is: MW-25D2-202410 (500-259162-36[MSD]).

Method 8260D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 280-673689 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits. The associated sample is: MW-25D2-202410 (500-259162-36[MSD]).

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 280-673689 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene (RPD 29, RPD Limit 20) and naphthalene (RPD 30, RPD Limit 21). Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes. Affected analytes were not detected in samples. The associated samples are: MW-06D-202410 (500-259162-30), MW-06S-202410 (500-259162-31), MW-17-202410 (500-259162-34), MW-25D-202410 (500-259162-35), MW-25D2-202410 (500-259162-36), MW-27D-202410 (500-259162-37), MW-27D2-202410 (500-259162-38), DUP-01-202410 (500-259162-40) and (LCSD 280-673689/5).

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-673877 recovered outside the control limit 20%D for 1,2-Dibromo-3-Chloropropane (-25.9%) and Dichlorodifluoromethane (-35.4%). These analytes are considered poor performing compounds. The LCS/LCSD recovered within control limits therefore the data were qualified and reported. DUP-02-202410 (500-259162-41), DUP-03-202410 (500-259162-42), DUP-04-202410 (500-259162-43), EB-01-202410 (500-259162-44), TRIP BLANK-202410 (500-259162-45) and (CCV 280-673877/2)

Method 8260D: The following sample was diluted due to the nature of the sample matrix: DUP-02-202410 (500-259162-41) and DUP-04-202410 (500-259162-43). Elevated reporting limits (RLs) are provided.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 280-673877. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. DUP-02-202410 (500-259162-41), DUP-03-202410 (500-259162-42), DUP-04-202410 (500-259162-43), EB-01-202410 (500-259162-44) and TRIP BLANK-202410 (500-259162-45)

Method 8260D: The following compounds were outside control limits of 20%D in the continuing calibration verification (CCV) associated with batch 280-673881: Dichlorodifluoromethane (-42.7%D) and chloromethane (-20.1%D). These compounds are considered poor performers and have recovered within LCS/LCSD limits. The following samples are affected: MW-01-202410 (500-259162-19), MW-2D-202410 (500-259162-20), MW-03D-202410 (500-259162-21), MW-03D2-202410 (500-259162-22), MW-03D3-202410 (500-259162-23), MW-03S-202410 (500-259162-24), MW-04D2-202410 (500-259162-25), MW-05D-202410 (500-259162-26), MW-05D2-202410 (500-259162-27), MW-05D3-202410 (500-259162-28), MW-05S-202410 (500-259162-29), MW-28-202410 (500-259162-39) and (CCV 280-673881/2).

Method 8260D: Supplementary spike compounds were intentionally omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD) due to co-elution issues; therefore, recoveries are unavailable for the following compounds: Isopropyl ether. Insufficient volume is remaining to prepare a separate MS/MSD for supplementary spike compounds. The associated laboratory control sample (LCS) and LCSD met acceptance criteria for accuracy and precision. The following samples

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## Case Narrative

Client: TRC Environmental Corporation  
Project: MKC Semi-Annual Sampling

Job ID: 500-259162-1

### Job ID: 500-259162-1 (Continued)

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are affected: MW-03D3-202410 (500-259162-23[MS]), MW-03D3-202410 (500-259162-23[MSD]), MW-05D3-202410 (500-259162-28[MS]) and MW-05D3-202410 (500-259162-28[MSD]).

Method 8260D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 280-673881 was outside control limits for n-butylbenzene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits. The associated sample is: MW-05D3-202410 (500-259162-28[MSD]).

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-03D-202410 (500-259162-21), MW-03S-202410 (500-259162-24), MW-05D-202410 (500-259162-26), MW-05D2-202410 (500-259162-27) and MW-28-202410 (500-259162-39). 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.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Client Sample ID: MP-13 (044-048)-202410

## Lab Sample ID: 500-259162-1

| Analyte                  | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene   | 48     |           | 2.0 | 0.64 | ug/L | 2       |   | 8260D  | Total/NA  |
| Tetrachloroethene        | 190    |           | 2.0 | 0.81 | ug/L | 2       |   | 8260D  | Total/NA  |
| trans-1,2-Dichloroethene | 0.81   | J         | 2.0 | 0.74 | ug/L | 2       |   | 8260D  | Total/NA  |
| Trichloroethene          | 43     |           | 2.0 | 0.60 | ug/L | 2       |   | 8260D  | Total/NA  |
| Vinyl chloride           | 1.0    | J         | 2.0 | 0.45 | ug/L | 2       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-13 (067-071)-202410

## Lab Sample ID: 500-259162-2

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Chloroform             | 0.38   | J         | 1.0 | 0.36 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 1.2    |           | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 12     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.90   | J         | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-13 (081-085)-202410

## Lab Sample ID: 500-259162-3

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 170    |           | 10  | 3.2 | ug/L | 10      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 550    |           | 10  | 4.0 | ug/L | 10      |   | 8260D  | Total/NA  |
| Trichloroethene        | 86     |           | 10  | 3.0 | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MP-13 (102-106)-202410

## Lab Sample ID: 500-259162-4

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 51     |           | 10  | 3.2 | ug/L | 10      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 550    |           | 10  | 4.0 | ug/L | 10      |   | 8260D  | Total/NA  |
| Trichloroethene        | 61     |           | 10  | 3.0 | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MP-13 (121-125)-202410

## Lab Sample ID: 500-259162-5

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 24     |           | 2.0 | 0.64 | ug/L | 2       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 310    |           | 2.0 | 0.81 | ug/L | 2       |   | 8260D  | Total/NA  |
| Trichloroethene        | 24     |           | 2.0 | 0.60 | ug/L | 2       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-13 (135-139)-202410

## Lab Sample ID: 500-259162-6

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 85     |           | 20  | 6.4 | ug/L | 20      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 2100   |           | 20  | 8.1 | ug/L | 20      |   | 8260D  | Total/NA  |
| Trichloroethene        | 130    |           | 20  | 6.0 | ug/L | 20      |   | 8260D  | Total/NA  |

## Client Sample ID: MP-13 (163-167)-202410

## Lab Sample ID: 500-259162-7

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 27     |           | 2.0 | 0.64 | ug/L | 2       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 200    |           | 2.0 | 0.81 | ug/L | 2       |   | 8260D  | Total/NA  |
| Trichloroethene        | 19     |           | 2.0 | 0.60 | ug/L | 2       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-14 (100-105)-202410

## Lab Sample ID: 500-259162-8

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.40   | J         | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Client Sample ID: MP-14 (135-140)-202410

## Lab Sample ID: 500-259162-9

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.68   | J         | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 27     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 1.4    |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-14 (170-178)-202410

## Lab Sample ID: 500-259162-10

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 19     |           | 5.0 | 1.6 | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 840    |           | 5.0 | 2.0 | ug/L | 5       |   | 8260D  | Total/NA  |
| Trichloroethene        | 50     |           | 5.0 | 1.5 | ug/L | 5       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-15 (088-092)-202410

## Lab Sample ID: 500-259162-11

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 25     |           | 2.0 | 0.64 | ug/L | 2       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 160    |           | 2.0 | 0.81 | ug/L | 2       |   | 8260D  | Total/NA  |
| Trichloroethene        | 13     |           | 2.0 | 0.60 | ug/L | 2       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-15 (100-105)-202410

## Lab Sample ID: 500-259162-12

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 770    |           | 10  | 4.0 | ug/L | 10      |   | 8260D  | Total/NA  |
| Trichloroethene   | 45     |           | 10  | 3.0 | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MP-15 (120-125)-202410

## Lab Sample ID: 500-259162-13

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 33     |           | 10  | 3.2 | ug/L | 10      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 820    |           | 10  | 4.0 | ug/L | 10      |   | 8260D  | Total/NA  |
| Trichloroethene        | 46     |           | 10  | 3.0 | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MP-15 (142-146)-202410

## Lab Sample ID: 500-259162-14

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 47     |           | 25  | 8.0 | ug/L | 25      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 1000   |           | 25  | 10  | ug/L | 25      |   | 8260D  | Total/NA  |
| Trichloroethene        | 62     |           | 25  | 7.5 | ug/L | 25      |   | 8260D  | Total/NA  |

## Client Sample ID: MP-15 (177-187)-202410

## Lab Sample ID: 500-259162-15

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 2.6    |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-16 (106-116)-202410

## Lab Sample ID: 500-259162-16

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 2.7    |           | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 36     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 4.0    |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-16 (140-144)-202410

## Lab Sample ID: 500-259162-17

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 1.5    |           | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 47     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Client Sample ID: MP-16 (140-144)-202410 (Continued)

Lab Sample ID: 500-259162-17

| Analyte         | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Trichloroethene | 7.4    |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MP-16 (175-179)-202410

Lab Sample ID: 500-259162-18

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 3.4    |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene   | 0.46   | J         | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-01-202410

Lab Sample ID: 500-259162-19

| Analyte                  | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethene       | 0.49   | J         | 1.0 | 0.23 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene   | 22     |           | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene        | 28     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| trans-1,2-Dichloroethene | 0.67   | J         | 1.0 | 0.37 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene          | 22     |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |
| Vinyl chloride           | 1.2    |           | 1.0 | 0.23 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-2D-202410

Lab Sample ID: 500-259162-20

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 7.2    |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-03D-202410

Lab Sample ID: 500-259162-21

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 11     |           | 5.0 | 1.6 | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 340    |           | 5.0 | 2.0 | ug/L | 5       |   | 8260D  | Total/NA  |
| Trichloroethene        | 15     |           | 5.0 | 1.5 | ug/L | 5       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-03D2-202410

Lab Sample ID: 500-259162-22

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 62     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene   | 0.77   | J         | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-03D3-202410

Lab Sample ID: 500-259162-23

No Detections.

## Client Sample ID: MW-03S-202410

Lab Sample ID: 500-259162-24

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 8.7    |           | 5.0 | 1.6 | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 360    |           | 5.0 | 2.0 | ug/L | 5       |   | 8260D  | Total/NA  |
| Trichloroethene        | 27     |           | 5.0 | 1.5 | ug/L | 5       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-04D2-202410

Lab Sample ID: 500-259162-25

No Detections.

## Client Sample ID: MW-05D-202410

Lab Sample ID: 500-259162-26

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 1.9    | J         | 2.0 | 0.64 | ug/L | 2       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 280    |           | 2.0 | 0.81 | ug/L | 2       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

### Client Sample ID: MW-05D-202410 (Continued)

Lab Sample ID: 500-259162-26

| Analyte         | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Trichloroethene | 3.5    |           | 2.0 | 0.60 | ug/L | 2       |   | 8260D  | Total/NA  |

### Client Sample ID: MW-05D2-202410

Lab Sample ID: 500-259162-27

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 29     | J         | 50  | 16  | ug/L | 50      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 5900   |           | 50  | 20  | ug/L | 50      |   | 8260D  | Total/NA  |
| Trichloroethene        | 72     |           | 50  | 15  | ug/L | 50      |   | 8260D  | Total/NA  |

### Client Sample ID: MW-05D3-202410

Lab Sample ID: 500-259162-28

No Detections.

### Client Sample ID: MW-05S-202410

Lab Sample ID: 500-259162-29

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Carbon tetrachloride   | 1.1    |           | 1.0 | 0.23 | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform             | 1.3    |           | 1.0 | 0.36 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.79   | J         | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 33     |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: MW-06D-202410

Lab Sample ID: 500-259162-30

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1,2,4-Trimethylbenzene | 2.0    | J         | 4.0 | 0.60 | ug/L | 4       |   | 8260D  | Total/NA  |
| Benzene                | 200    |           | 4.0 | 0.58 | ug/L | 4       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 4.1    |           | 4.0 | 1.3  | ug/L | 4       |   | 8260D  | Total/NA  |
| Ethylbenzene           | 12     |           | 4.0 | 0.58 | ug/L | 4       |   | 8260D  | Total/NA  |
| Isopropylbenzene       | 16     |           | 4.0 | 0.63 | ug/L | 4       |   | 8260D  | Total/NA  |
| m-Xylene & p-Xylene    | 4.2    | J         | 8.0 | 1.4  | ug/L | 4       |   | 8260D  | Total/NA  |
| n-Butylbenzene         | 1.6    | J         | 4.0 | 0.93 | ug/L | 4       |   | 8260D  | Total/NA  |
| N-Propylbenzene        | 5.4    |           | 4.0 | 0.74 | ug/L | 4       |   | 8260D  | Total/NA  |
| o-Xylene               | 0.68   | J         | 4.0 | 0.46 | ug/L | 4       |   | 8260D  | Total/NA  |
| p-Isopropyltoluene     | 1.2    | J         | 4.0 | 0.74 | ug/L | 4       |   | 8260D  | Total/NA  |
| sec-Butylbenzene       | 4.1    |           | 4.0 | 0.82 | ug/L | 4       |   | 8260D  | Total/NA  |
| Styrene                | 0.84   | J         | 4.0 | 0.50 | ug/L | 4       |   | 8260D  | Total/NA  |
| Toluene                | 13     |           | 4.0 | 1.3  | ug/L | 4       |   | 8260D  | Total/NA  |
| Trichloroethene        | 4.7    |           | 4.0 | 1.2  | ug/L | 4       |   | 8260D  | Total/NA  |
| Xylenes, Total         | 4.9    |           | 4.0 | 0.46 | ug/L | 4       |   | 8260D  | Total/NA  |

### Client Sample ID: MW-06S-202410

Lab Sample ID: 500-259162-31

No Detections.

### Client Sample ID: MW-09D-202410

Lab Sample ID: 500-259162-32

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Trichlorofluoromethane | 1.2    | J         | 2.0 | 0.20 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: MW-09D2-202410

Lab Sample ID: 500-259162-33

| Analyte                 | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene  | 68     |           | 5.0 | 1.6 | ug/L | 5       |   | 8260D  | Total/NA  |
| Methyl tert-butyl ether | 3.0    | J         | 25  | 1.3 | ug/L | 5       |   | 8260D  | Total/NA  |
| Tetrachloroethene       | 190    |           | 5.0 | 2.0 | ug/L | 5       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Client Sample ID: MW-09D2-202410 (Continued)

Lab Sample ID: 500-259162-33

| Analyte         | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Trichloroethene | 37     |           | 5.0 | 1.5 | ug/L | 5       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-17-202410

Lab Sample ID: 500-259162-34

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 6.7    | J         | 10  | 3.2 | ug/L | 10      |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 830    |           | 10  | 4.0 | ug/L | 10      |   | 8260D  | Total/NA  |
| Trichloroethene        | 42     |           | 10  | 3.0 | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: MW-25D-202410

Lab Sample ID: 500-259162-35

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.76   | J         | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-25D2-202410

Lab Sample ID: 500-259162-36

No Detections.

## Client Sample ID: MW-27D-202410

Lab Sample ID: 500-259162-37

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.99   | J         | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene   | 1.5    |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-27D2-202410

Lab Sample ID: 500-259162-38

| Analyte                | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 2.9    |           | 1.0 | 0.32 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 9.3    |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 6.0    |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: MW-28-202410

Lab Sample ID: 500-259162-39

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 760    |           | 10  | 4.0 | ug/L | 10      |   | 8260D  | Total/NA  |

## Client Sample ID: DUP-01-202410

Lab Sample ID: 500-259162-40

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.97   | J         | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene   | 1.6    |           | 1.0 | 0.30 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: DUP-02-202410

Lab Sample ID: 500-259162-41

| Analyte                | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 11     |           | 4.0 | 1.3 | ug/L | 4       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 350    |           | 4.0 | 1.6 | ug/L | 4       |   | 8260D  | Total/NA  |
| Trichloroethene        | 16     |           | 4.0 | 1.2 | ug/L | 4       |   | 8260D  | Total/NA  |

## Client Sample ID: DUP-03-202410

Lab Sample ID: 500-259162-42

| Analyte           | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 6.4    |           | 1.0 | 0.40 | ug/L | 1       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

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## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

### Client Sample ID: DUP-04-202410

Lab Sample ID: 500-259162-43

| Analyte           | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 630    |           | 5.0 | 2.0 | ug/L | 5       |   | 8260D  | Total/NA  |

### Client Sample ID: EB-01-202410

Lab Sample ID: 500-259162-44

| Analyte        | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| o-Xylene       | 0.22   | J         | 1.0 | 0.11 | ug/L | 1       |   | 8260D  | Total/NA  |
| Xylenes, Total | 0.22   | J         | 1.0 | 0.11 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: TRIP BLANK-202410

Lab Sample ID: 500-259162-45

No Detections.

This Detection Summary does not include radiochemical test results.

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## Method Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

| Method | Method Description                  | Protocol | Laboratory |
|--------|-------------------------------------|----------|------------|
| 8260D  | Volatile Organic Compounds by GC/MS | SW846    | EET DEN    |
| 5030B  | Purge and Trap                      | SW846    | EET DEN    |

### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

| Lab Sample ID | Client Sample ID       | Matrix | Collected      | Received       |
|---------------|------------------------|--------|----------------|----------------|
| 500-259162-1  | MP-13 (044-048)-202410 | Water  | 10/21/24 16:30 | 10/26/24 10:15 |
| 500-259162-2  | MP-13 (067-071)-202410 | Water  | 10/21/24 16:10 | 10/26/24 10:15 |
| 500-259162-3  | MP-13 (081-085)-202410 | Water  | 10/21/24 15:55 | 10/26/24 10:15 |
| 500-259162-4  | MP-13 (102-106)-202410 | Water  | 10/21/24 15:15 | 10/26/24 10:15 |
| 500-259162-5  | MP-13 (121-125)-202410 | Water  | 10/21/24 15:00 | 10/26/24 10:15 |
| 500-259162-6  | MP-13 (135-139)-202410 | Water  | 10/21/24 14:05 | 10/26/24 10:15 |
| 500-259162-7  | MP-13 (163-167)-202410 | Water  | 10/21/24 13:45 | 10/26/24 10:15 |
| 500-259162-8  | MP-14 (100-105)-202410 | Water  | 10/22/24 14:25 | 10/26/24 10:15 |
| 500-259162-9  | MP-14 (135-140)-202410 | Water  | 10/22/24 14:04 | 10/26/24 10:15 |
| 500-259162-10 | MP-14 (170-178)-202410 | Water  | 10/22/24 13:25 | 10/26/24 10:15 |
| 500-259162-11 | MP-15 (088-092)-202410 | Water  | 10/22/24 10:35 | 10/26/24 10:15 |
| 500-259162-12 | MP-15 (100-105)-202410 | Water  | 10/22/24 10:15 | 10/26/24 10:15 |
| 500-259162-13 | MP-15 (120-125)-202410 | Water  | 10/22/24 10:00 | 10/26/24 10:15 |
| 500-259162-14 | MP-15 (142-146)-202410 | Water  | 10/22/24 09:40 | 10/26/24 10:15 |
| 500-259162-15 | MP-15 (177-187)-202410 | Water  | 10/22/24 09:10 | 10/26/24 10:15 |
| 500-259162-16 | MP-16 (106-116)-202410 | Water  | 10/22/24 12:40 | 10/26/24 10:15 |
| 500-259162-17 | MP-16 (140-144)-202410 | Water  | 10/22/24 12:00 | 10/26/24 10:15 |
| 500-259162-18 | MP-16 (175-179)-202410 | Water  | 10/22/24 11:40 | 10/26/24 10:15 |
| 500-259162-19 | MW-01-202410           | Water  | 10/24/24 17:19 | 10/26/24 10:15 |
| 500-259162-20 | MW-2D-202410           | Water  | 10/25/24 11:51 | 10/26/24 10:15 |
| 500-259162-21 | MW-03D-202410          | Water  | 10/24/24 14:17 | 10/26/24 10:15 |
| 500-259162-22 | MW-03D2-202410         | Water  | 10/24/24 15:16 | 10/26/24 10:15 |
| 500-259162-23 | MW-03D3-202410         | Water  | 10/24/24 14:05 | 10/26/24 10:15 |
| 500-259162-24 | MW-03S-202410          | Water  | 10/24/24 14:59 | 10/26/24 10:15 |
| 500-259162-25 | MW-04D2-202410         | Water  | 10/24/24 17:06 | 10/26/24 10:15 |
| 500-259162-26 | MW-05D-202410          | Water  | 10/24/24 11:19 | 10/26/24 10:15 |
| 500-259162-27 | MW-05D2-202410         | Water  | 10/24/24 12:18 | 10/26/24 10:15 |
| 500-259162-28 | MW-05D3-202410         | Water  | 10/24/24 09:49 | 10/26/24 10:15 |
| 500-259162-29 | MW-05S-202410          | Water  | 10/24/24 10:02 | 10/26/24 10:15 |
| 500-259162-30 | MW-06D-202410          | Water  | 10/23/24 16:34 | 10/26/24 10:15 |
| 500-259162-31 | MW-06S-202410          | Water  | 10/23/24 15:45 | 10/26/24 10:15 |
| 500-259162-32 | MW-09D-202410          | Water  | 10/22/24 16:14 | 10/26/24 10:15 |
| 500-259162-33 | MW-09D2-202410         | Water  | 10/22/24 16:07 | 10/26/24 10:15 |
| 500-259162-34 | MW-17-202410           | Water  | 10/23/24 15:38 | 10/26/24 10:15 |
| 500-259162-35 | MW-25D-202410          | Water  | 10/23/24 11:16 | 10/26/24 10:15 |
| 500-259162-36 | MW-25D2-202410         | Water  | 10/23/24 11:01 | 10/26/24 10:15 |
| 500-259162-37 | MW-27D-202410          | Water  | 10/23/24 13:47 | 10/26/24 10:15 |
| 500-259162-38 | MW-27D2-202410         | Water  | 10/23/24 13:50 | 10/26/24 10:15 |
| 500-259162-39 | MW-28-202410           | Water  | 10/25/24 12:56 | 10/26/24 10:15 |
| 500-259162-40 | DUP-01-202410          | Water  | 10/23/24 00:00 | 10/26/24 10:15 |
| 500-259162-41 | DUP-02-202410          | Water  | 10/24/24 00:00 | 10/26/24 10:15 |
| 500-259162-42 | DUP-03-202410          | Water  | 10/25/24 00:00 | 10/26/24 10:15 |
| 500-259162-43 | DUP-04-202410          | Water  | 10/25/24 00:00 | 10/26/24 10:15 |
| 500-259162-44 | EB-01-202410           | Water  | 10/24/24 00:00 | 10/26/24 10:15 |
| 500-259162-45 | TRIP BLANK-202410      | Water  | 10/25/24 00:00 | 10/26/24 10:15 |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (044-048)-202410

Lab Sample ID: 500-259162-1

Date Collected: 10/21/24 16:30

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1,1-Trichloroethane                 | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1,2,2-Tetrachloroethane             | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <1.5   |           | 6.0 | 1.5  | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1,2-Trichloroethane                 | <0.54  |           | 2.0 | 0.54 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1-Dichloroethane                    | <0.44  |           | 2.0 | 0.44 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1-Dichloroethene                    | <0.46  |           | 2.0 | 0.46 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,1-Dichloropropene                   | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2,3-Trichlorobenzene                | <2.4   |           | 8.0 | 2.4  | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2,3-Trichloropropane                | <0.55  |           | 5.0 | 0.55 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2,4-Trichlorobenzene                | <1.2   |           | 2.0 | 1.2  | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2,4-Trimethylbenzene                | <0.30  |           | 2.0 | 0.30 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2-Dibromo-3-Chloropropane           | <0.85  |           | 10  | 0.85 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2-Dibromoethane                     | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2-Dichlorobenzene                   | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2-Dichloroethane                    | <0.56  |           | 2.0 | 0.56 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,2-Dichloropropane                   | <0.49  |           | 2.0 | 0.49 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,3,5-Trimethylbenzene                | <0.24  |           | 2.0 | 0.24 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,3-Dichlorobenzene                   | <0.67  |           | 2.0 | 0.67 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,3-Dichloropropane                   | <0.35  |           | 2.0 | 0.35 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 1,4-Dichlorobenzene                   | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 2,2-Dichloropropane                   | <0.34  |           | 2.0 | 0.34 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 2-Butanone (MEK)                      | <9.2   |           | 20  | 9.2  | ug/L |   |          | 11/01/24 00:05 | 2       |
| 2-Chlorotoluene                       | <0.68  |           | 2.0 | 0.68 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 2-Hexanone                            | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 00:05 | 2       |
| 4-Chlorotoluene                       | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/01/24 00:05 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | <2.0   |           | 10  | 2.0  | ug/L |   |          | 11/01/24 00:05 | 2       |
| Acetone                               | <13    |           | 30  | 13   | ug/L |   |          | 11/01/24 00:05 | 2       |
| Benzene                               | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Bromobenzene                          | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Bromochloromethane                    | <0.81  |           | 2.0 | 0.81 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Bromodichloromethane                  | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Bromoform                             | <0.49  |           | 4.0 | 0.49 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Bromomethane                          | <4.7   |           | 10  | 4.7  | ug/L |   |          | 11/01/24 00:05 | 2       |
| Carbon disulfide                      | <0.51  |           | 4.0 | 0.51 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Carbon tetrachloride                  | <0.45  |           | 2.0 | 0.45 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Chlorobenzene                         | <0.18  |           | 2.0 | 0.18 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Chloroethane                          | <1.3   |           | 4.0 | 1.3  | ug/L |   |          | 11/01/24 00:05 | 2       |
| Chloroform                            | <0.72  |           | 2.0 | 0.72 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Chloromethane                         | <0.45  | ^c        | 4.0 | 0.45 | ug/L |   |          | 11/01/24 00:05 | 2       |
| cis-1,2-Dichloroethene                | 48     |           | 2.0 | 0.64 | ug/L |   |          | 11/01/24 00:05 | 2       |
| cis-1,3-Dichloropropene               | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Dibromochloromethane                  | <0.55  |           | 2.0 | 0.55 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Dibromomethane                        | <0.69  |           | 2.0 | 0.69 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Dichlorodifluoromethane               | <0.60  |           | 4.0 | 0.60 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Diisopropyl ether                     | <2.2   |           | 20  | 2.2  | ug/L |   |          | 11/01/24 00:05 | 2       |
| Ethylbenzene                          | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Hexachlorobutadiene                   | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/01/24 00:05 | 2       |
| Isopropylbenzene                      | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/01/24 00:05 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (044-048)-202410

Lab Sample ID: 500-259162-1

Date Collected: 10/21/24 16:30

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                         | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether         | <0.50       |           | 10  | 0.50 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Methylene Chloride              | <1.9        |           | 4.0 | 1.9  | ug/L |   |          | 11/01/24 00:05 | 2       |
| m-Xylene & p-Xylene             | <0.71       |           | 4.0 | 0.71 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Naphthalene                     | <2.0        |           | 6.0 | 2.0  | ug/L |   |          | 11/01/24 00:05 | 2       |
| n-Butylbenzene                  | <0.47       |           | 2.0 | 0.47 | ug/L |   |          | 11/01/24 00:05 | 2       |
| n-Hexane                        | <0.33       |           | 4.0 | 0.33 | ug/L |   |          | 11/01/24 00:05 | 2       |
| N-Propylbenzene                 | <0.37       |           | 2.0 | 0.37 | ug/L |   |          | 11/01/24 00:05 | 2       |
| o-Xylene                        | <0.23       |           | 2.0 | 0.23 | ug/L |   |          | 11/01/24 00:05 | 2       |
| p-Isopropyltoluene              | <0.37       |           | 2.0 | 0.37 | ug/L |   |          | 11/01/24 00:05 | 2       |
| sec-Butylbenzene                | <0.41       |           | 2.0 | 0.41 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Styrene                         | <0.25       |           | 2.0 | 0.25 | ug/L |   |          | 11/01/24 00:05 | 2       |
| tert-Butylbenzene               | <0.35       |           | 2.0 | 0.35 | ug/L |   |          | 11/01/24 00:05 | 2       |
| <b>Tetrachloroethene</b>        | <b>190</b>  |           | 2.0 | 0.81 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Tetrahydrofuran                 | <1.7        |           | 14  | 1.7  | ug/L |   |          | 11/01/24 00:05 | 2       |
| Toluene                         | <0.64       |           | 2.0 | 0.64 | ug/L |   |          | 11/01/24 00:05 | 2       |
| <b>trans-1,2-Dichloroethene</b> | <b>0.81</b> | <b>J</b>  | 2.0 | 0.74 | ug/L |   |          | 11/01/24 00:05 | 2       |
| trans-1,3-Dichloropropene       | <0.29       |           | 2.0 | 0.29 | ug/L |   |          | 11/01/24 00:05 | 2       |
| <b>Trichloroethene</b>          | <b>43</b>   |           | 2.0 | 0.60 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Trichlorofluoromethane          | <0.40       |           | 4.0 | 0.40 | ug/L |   |          | 11/01/24 00:05 | 2       |
| <b>Vinyl chloride</b>           | <b>1.0</b>  | <b>J</b>  | 2.0 | 0.45 | ug/L |   |          | 11/01/24 00:05 | 2       |
| Xylenes, Total                  | <0.23       |           | 2.0 | 0.23 | ug/L |   |          | 11/01/24 00:05 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 70 - 127 |          | 11/01/24 00:05 | 2       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 78 - 120 |          | 11/01/24 00:05 | 2       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 125 |          | 11/01/24 00:05 | 2       |
| Dibromofluoromethane (Surr)  | 96        |           | 77 - 120 |          | 11/01/24 00:05 | 2       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (067-071)-202410

Lab Sample ID: 500-259162-2

Date Collected: 10/21/24 16:10

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 10/31/24 21:48 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 21:48 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 10/31/24 21:48 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 10/31/24 21:48 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Chloroform                            | 0.38   | J         | 1.0 | 0.36  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 10/31/24 21:48 | 1       |
| cis-1,2-Dichloroethene                | 1.2    |           | 1.0 | 0.32  | ug/L |   |          | 10/31/24 21:48 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 10/31/24 21:48 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 10/31/24 21:48 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 21:48 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (067-071)-202410

Lab Sample ID: 500-259162-2

Date Collected: 10/21/24 16:10

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result        | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25         |           | 5.0 | 0.25 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Methylene Chloride        | <0.94         |           | 2.0 | 0.94 | ug/L |   |          | 10/31/24 21:48 | 1       |
| m-Xylene & p-Xylene       | <0.36         |           | 2.0 | 0.36 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Naphthalene               | <0.99         |           | 3.0 | 0.99 | ug/L |   |          | 10/31/24 21:48 | 1       |
| n-Butylbenzene            | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 21:48 | 1       |
| n-Hexane                  | <0.16         |           | 2.0 | 0.16 | ug/L |   |          | 10/31/24 21:48 | 1       |
| N-Propylbenzene           | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 21:48 | 1       |
| o-Xylene                  | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 21:48 | 1       |
| p-Isopropyltoluene        | <0.19         |           | 1.0 | 0.19 | ug/L |   |          | 10/31/24 21:48 | 1       |
| sec-Butylbenzene          | <0.20         |           | 1.0 | 0.20 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Styrene                   | <0.13         |           | 1.0 | 0.13 | ug/L |   |          | 10/31/24 21:48 | 1       |
| tert-Butylbenzene         | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 21:48 | 1       |
| <b>Tetrachloroethene</b>  | <b>12</b>     |           | 1.0 | 0.40 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Tetrahydrofuran           | <0.84         |           | 7.0 | 0.84 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Toluene                   | <0.32         |           | 1.0 | 0.32 | ug/L |   |          | 10/31/24 21:48 | 1       |
| trans-1,2-Dichloroethene  | <0.37         |           | 1.0 | 0.37 | ug/L |   |          | 10/31/24 21:48 | 1       |
| trans-1,3-Dichloropropene | <0.14         |           | 1.0 | 0.14 | ug/L |   |          | 10/31/24 21:48 | 1       |
| <b>Trichloroethene</b>    | <b>0.90 J</b> |           | 1.0 | 0.30 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Trichlorofluoromethane    | <0.20         |           | 2.0 | 0.20 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Vinyl chloride            | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 21:48 | 1       |
| Xylenes, Total            | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 21:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 127 |          | 10/31/24 21:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 78 - 120 |          | 10/31/24 21:48 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 80 - 125 |          | 10/31/24 21:48 | 1       |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 10/31/24 21:48 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (081-085)-202410

Lab Sample ID: 500-259162-3

Date Collected: 10/21/24 15:55

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1,1-Trichloroethane                 | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1,2,2-Tetrachloroethane             | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <7.3   |           | 30  | 7.3  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1,2-Trichloroethane                 | <2.7   |           | 10  | 2.7  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1-Dichloroethane                    | <2.2   |           | 10  | 2.2  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1-Dichloroethene                    | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,1-Dichloropropene                   | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2,3-Trichlorobenzene                | <12    |           | 40  | 12   | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2,3-Trichloropropane                | <2.8   |           | 25  | 2.8  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2,4-Trichlorobenzene                | <5.8   |           | 10  | 5.8  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2,4-Trimethylbenzene                | <1.5   |           | 10  | 1.5  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2-Dibromo-3-Chloropropane           | <4.2   |           | 50  | 4.2  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2-Dibromoethane                     | <1.8   |           | 10  | 1.8  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2-Dichlorobenzene                   | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2-Dichloroethane                    | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,2-Dichloropropane                   | <2.4   |           | 10  | 2.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,3,5-Trimethylbenzene                | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,3-Dichlorobenzene                   | <3.3   |           | 10  | 3.3  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,3-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 1,4-Dichlorobenzene                   | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 2,2-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 2-Butanone (MEK)                      | <46    |           | 100 | 46   | ug/L |   |          | 11/01/24 01:12 | 10      |
| 2-Chlorotoluene                       | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 2-Hexanone                            | <8.1   |           | 50  | 8.1  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 4-Chlorotoluene                       | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 01:12 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | <9.8   |           | 50  | 9.8  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Acetone                               | <66    |           | 150 | 66   | ug/L |   |          | 11/01/24 01:12 | 10      |
| Benzene                               | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Bromobenzene                          | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Bromochloromethane                    | <4.0   |           | 10  | 4.0  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Bromodichloromethane                  | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Bromoform                             | <2.5   |           | 20  | 2.5  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Bromomethane                          | <24    |           | 50  | 24   | ug/L |   |          | 11/01/24 01:12 | 10      |
| Carbon disulfide                      | <2.6   |           | 20  | 2.6  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Carbon tetrachloride                  | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Chlorobenzene                         | <0.92  |           | 10  | 0.92 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Chloroethane                          | <6.4   |           | 20  | 6.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Chloroform                            | <3.6   |           | 10  | 3.6  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Chloromethane                         | <2.3   | ^c        | 20  | 2.3  | ug/L |   |          | 11/01/24 01:12 | 10      |
| cis-1,2-Dichloroethene                | 170    |           | 10  | 3.2  | ug/L |   |          | 11/01/24 01:12 | 10      |
| cis-1,3-Dichloropropene               | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Dibromochloromethane                  | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Dibromomethane                        | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Dichlorodifluoromethane               | <3.0   |           | 20  | 3.0  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Diisopropyl ether                     | <11    |           | 100 | 11   | ug/L |   |          | 11/01/24 01:12 | 10      |
| Ethylbenzene                          | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Hexachlorobutadiene                   | <5.3   |           | 20  | 5.3  | ug/L |   |          | 11/01/24 01:12 | 10      |
| Isopropylbenzene                      | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 01:12 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (081-085)-202410

Lab Sample ID: 500-259162-3

Date Collected: 10/21/24 15:55

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <2.5       |           | 50  | 2.5 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Methylene Chloride        | <9.4       |           | 20  | 9.4 | ug/L |   |          | 11/01/24 01:12 | 10      |
| m-Xylene & p-Xylene       | <3.6       |           | 20  | 3.6 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Naphthalene               | <9.9       |           | 30  | 9.9 | ug/L |   |          | 11/01/24 01:12 | 10      |
| n-Butylbenzene            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 01:12 | 10      |
| n-Hexane                  | <1.6       |           | 20  | 1.6 | ug/L |   |          | 11/01/24 01:12 | 10      |
| N-Propylbenzene           | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 01:12 | 10      |
| o-Xylene                  | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 01:12 | 10      |
| p-Isopropyltoluene        | <1.9       |           | 10  | 1.9 | ug/L |   |          | 11/01/24 01:12 | 10      |
| sec-Butylbenzene          | <2.0       |           | 10  | 2.0 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Styrene                   | <1.3       |           | 10  | 1.3 | ug/L |   |          | 11/01/24 01:12 | 10      |
| tert-Butylbenzene         | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 01:12 | 10      |
| <b>Tetrachloroethene</b>  | <b>550</b> |           | 10  | 4.0 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Tetrahydrofuran           | <8.4       |           | 70  | 8.4 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Toluene                   | <3.2       |           | 10  | 3.2 | ug/L |   |          | 11/01/24 01:12 | 10      |
| trans-1,2-Dichloroethene  | <3.7       |           | 10  | 3.7 | ug/L |   |          | 11/01/24 01:12 | 10      |
| trans-1,3-Dichloropropene | <1.4       |           | 10  | 1.4 | ug/L |   |          | 11/01/24 01:12 | 10      |
| <b>Trichloroethene</b>    | <b>86</b>  |           | 10  | 3.0 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Trichlorofluoromethane    | <2.0       |           | 20  | 2.0 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Vinyl chloride            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 01:12 | 10      |
| Xylenes, Total            | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 01:12 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 127 |          | 11/01/24 01:12 | 10      |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/01/24 01:12 | 10      |
| Toluene-d8 (Surr)            | 103       |           | 80 - 125 |          | 11/01/24 01:12 | 10      |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/01/24 01:12 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (102-106)-202410

Lab Sample ID: 500-259162-4

Date Collected: 10/21/24 15:15

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1,1-Trichloroethane                 | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1,2,2-Tetrachloroethane             | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <7.3   |           | 30  | 7.3  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1,2-Trichloroethane                 | <2.7   |           | 10  | 2.7  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1-Dichloroethane                    | <2.2   |           | 10  | 2.2  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1-Dichloroethene                    | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,1-Dichloropropene                   | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2,3-Trichlorobenzene                | <12    |           | 40  | 12   | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2,3-Trichloropropane                | <2.8   |           | 25  | 2.8  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2,4-Trichlorobenzene                | <5.8   |           | 10  | 5.8  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2,4-Trimethylbenzene                | <1.5   |           | 10  | 1.5  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2-Dibromo-3-Chloropropane           | <4.2   |           | 50  | 4.2  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2-Dibromoethane                     | <1.8   |           | 10  | 1.8  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2-Dichlorobenzene                   | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2-Dichloroethane                    | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,2-Dichloropropane                   | <2.4   |           | 10  | 2.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,3,5-Trimethylbenzene                | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,3-Dichlorobenzene                   | <3.3   |           | 10  | 3.3  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,3-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 1,4-Dichlorobenzene                   | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 2,2-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 2-Butanone (MEK)                      | <46    |           | 100 | 46   | ug/L |   |          | 11/01/24 01:34 | 10      |
| 2-Chlorotoluene                       | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 2-Hexanone                            | <8.1   |           | 50  | 8.1  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 4-Chlorotoluene                       | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 01:34 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | <9.8   |           | 50  | 9.8  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Acetone                               | <66    |           | 150 | 66   | ug/L |   |          | 11/01/24 01:34 | 10      |
| Benzene                               | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Bromobenzene                          | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Bromochloromethane                    | <4.0   |           | 10  | 4.0  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Bromodichloromethane                  | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Bromoform                             | <2.5   |           | 20  | 2.5  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Bromomethane                          | <24    |           | 50  | 24   | ug/L |   |          | 11/01/24 01:34 | 10      |
| Carbon disulfide                      | <2.6   |           | 20  | 2.6  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Carbon tetrachloride                  | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Chlorobenzene                         | <0.92  |           | 10  | 0.92 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Chloroethane                          | <6.4   |           | 20  | 6.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Chloroform                            | <3.6   |           | 10  | 3.6  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Chloromethane                         | <2.3   | ^c        | 20  | 2.3  | ug/L |   |          | 11/01/24 01:34 | 10      |
| cis-1,2-Dichloroethene                | 51     |           | 10  | 3.2  | ug/L |   |          | 11/01/24 01:34 | 10      |
| cis-1,3-Dichloropropene               | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Dibromochloromethane                  | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Dibromomethane                        | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Dichlorodifluoromethane               | <3.0   |           | 20  | 3.0  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Diisopropyl ether                     | <11    |           | 100 | 11   | ug/L |   |          | 11/01/24 01:34 | 10      |
| Ethylbenzene                          | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Hexachlorobutadiene                   | <5.3   |           | 20  | 5.3  | ug/L |   |          | 11/01/24 01:34 | 10      |
| Isopropylbenzene                      | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 01:34 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (102-106)-202410

Lab Sample ID: 500-259162-4

Date Collected: 10/21/24 15:15

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <2.5       |           | 50  | 2.5 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Methylene Chloride        | <9.4       |           | 20  | 9.4 | ug/L |   |          | 11/01/24 01:34 | 10      |
| m-Xylene & p-Xylene       | <3.6       |           | 20  | 3.6 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Naphthalene               | <9.9       |           | 30  | 9.9 | ug/L |   |          | 11/01/24 01:34 | 10      |
| n-Butylbenzene            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 01:34 | 10      |
| n-Hexane                  | <1.6       |           | 20  | 1.6 | ug/L |   |          | 11/01/24 01:34 | 10      |
| N-Propylbenzene           | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 01:34 | 10      |
| o-Xylene                  | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 01:34 | 10      |
| p-Isopropyltoluene        | <1.9       |           | 10  | 1.9 | ug/L |   |          | 11/01/24 01:34 | 10      |
| sec-Butylbenzene          | <2.0       |           | 10  | 2.0 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Styrene                   | <1.3       |           | 10  | 1.3 | ug/L |   |          | 11/01/24 01:34 | 10      |
| tert-Butylbenzene         | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 01:34 | 10      |
| <b>Tetrachloroethene</b>  | <b>550</b> |           | 10  | 4.0 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Tetrahydrofuran           | <8.4       |           | 70  | 8.4 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Toluene                   | <3.2       |           | 10  | 3.2 | ug/L |   |          | 11/01/24 01:34 | 10      |
| trans-1,2-Dichloroethene  | <3.7       |           | 10  | 3.7 | ug/L |   |          | 11/01/24 01:34 | 10      |
| trans-1,3-Dichloropropene | <1.4       |           | 10  | 1.4 | ug/L |   |          | 11/01/24 01:34 | 10      |
| <b>Trichloroethene</b>    | <b>61</b>  |           | 10  | 3.0 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Trichlorofluoromethane    | <2.0       |           | 20  | 2.0 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Vinyl chloride            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 01:34 | 10      |
| Xylenes, Total            | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 01:34 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 127 |          | 11/01/24 01:34 | 10      |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 11/01/24 01:34 | 10      |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 11/01/24 01:34 | 10      |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/01/24 01:34 | 10      |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (121-125)-202410

Lab Sample ID: 500-259162-5

Date Collected: 10/21/24 15:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1,1-Trichloroethane                 | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1,2,2-Tetrachloroethane             | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <1.5   |           | 6.0 | 1.5  | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1,2-Trichloroethane                 | <0.54  |           | 2.0 | 0.54 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1-Dichloroethane                    | <0.44  |           | 2.0 | 0.44 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1-Dichloroethene                    | <0.46  |           | 2.0 | 0.46 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,1-Dichloropropene                   | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2,3-Trichlorobenzene                | <2.4   |           | 8.0 | 2.4  | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2,3-Trichloropropane                | <0.55  |           | 5.0 | 0.55 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2,4-Trichlorobenzene                | <1.2   |           | 2.0 | 1.2  | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2,4-Trimethylbenzene                | <0.30  |           | 2.0 | 0.30 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2-Dibromo-3-Chloropropane           | <0.85  |           | 10  | 0.85 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2-Dibromoethane                     | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2-Dichlorobenzene                   | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2-Dichloroethane                    | <0.56  |           | 2.0 | 0.56 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,2-Dichloropropane                   | <0.49  |           | 2.0 | 0.49 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,3,5-Trimethylbenzene                | <0.24  |           | 2.0 | 0.24 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,3-Dichlorobenzene                   | <0.67  |           | 2.0 | 0.67 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,3-Dichloropropane                   | <0.35  |           | 2.0 | 0.35 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 1,4-Dichlorobenzene                   | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 2,2-Dichloropropane                   | <0.34  |           | 2.0 | 0.34 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 2-Butanone (MEK)                      | <9.2   |           | 20  | 9.2  | ug/L |   |          | 11/04/24 20:59 | 2       |
| 2-Chlorotoluene                       | <0.68  |           | 2.0 | 0.68 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 2-Hexanone                            | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/04/24 20:59 | 2       |
| 4-Chlorotoluene                       | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/04/24 20:59 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | <2.0   |           | 10  | 2.0  | ug/L |   |          | 11/04/24 20:59 | 2       |
| Acetone                               | <13    |           | 30  | 13   | ug/L |   |          | 11/04/24 20:59 | 2       |
| Benzene                               | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Bromobenzene                          | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Bromochloromethane                    | <0.81  |           | 2.0 | 0.81 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Bromodichloromethane                  | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Bromoform                             | <0.49  |           | 4.0 | 0.49 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Bromomethane                          | <4.7   | ^c        | 10  | 4.7  | ug/L |   |          | 11/04/24 20:59 | 2       |
| Carbon disulfide                      | <0.51  |           | 4.0 | 0.51 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Carbon tetrachloride                  | <0.45  |           | 2.0 | 0.45 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Chlorobenzene                         | <0.18  |           | 2.0 | 0.18 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Chloroethane                          | <1.3   |           | 4.0 | 1.3  | ug/L |   |          | 11/04/24 20:59 | 2       |
| Chloroform                            | <0.72  |           | 2.0 | 0.72 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Chloromethane                         | <0.45  |           | 4.0 | 0.45 | ug/L |   |          | 11/04/24 20:59 | 2       |
| cis-1,2-Dichloroethene                | 24     |           | 2.0 | 0.64 | ug/L |   |          | 11/04/24 20:59 | 2       |
| cis-1,3-Dichloropropene               | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Dibromochloromethane                  | <0.55  |           | 2.0 | 0.55 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Dibromomethane                        | <0.69  |           | 2.0 | 0.69 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Dichlorodifluoromethane               | <0.60  | ^c        | 4.0 | 0.60 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Diisopropyl ether                     | <2.2   |           | 20  | 2.2  | ug/L |   |          | 11/04/24 20:59 | 2       |
| Ethylbenzene                          | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Hexachlorobutadiene                   | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/04/24 20:59 | 2       |
| Isopropylbenzene                      | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/04/24 20:59 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (121-125)-202410

Lab Sample ID: 500-259162-5

Date Collected: 10/21/24 15:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.50      |           | 10  | 0.50 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Methylene Chloride        | <1.9       |           | 4.0 | 1.9  | ug/L |   |          | 11/04/24 20:59 | 2       |
| m-Xylene & p-Xylene       | <0.71      |           | 4.0 | 0.71 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Naphthalene               | <2.0       | ^c        | 6.0 | 2.0  | ug/L |   |          | 11/04/24 20:59 | 2       |
| n-Butylbenzene            | <0.47      |           | 2.0 | 0.47 | ug/L |   |          | 11/04/24 20:59 | 2       |
| n-Hexane                  | <0.33      |           | 4.0 | 0.33 | ug/L |   |          | 11/04/24 20:59 | 2       |
| N-Propylbenzene           | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 20:59 | 2       |
| o-Xylene                  | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/04/24 20:59 | 2       |
| p-Isopropyltoluene        | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 20:59 | 2       |
| sec-Butylbenzene          | <0.41      |           | 2.0 | 0.41 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Styrene                   | <0.25      |           | 2.0 | 0.25 | ug/L |   |          | 11/04/24 20:59 | 2       |
| tert-Butylbenzene         | <0.35      |           | 2.0 | 0.35 | ug/L |   |          | 11/04/24 20:59 | 2       |
| <b>Tetrachloroethene</b>  | <b>310</b> |           | 2.0 | 0.81 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Tetrahydrofuran           | <1.7       |           | 14  | 1.7  | ug/L |   |          | 11/04/24 20:59 | 2       |
| Toluene                   | <0.64      |           | 2.0 | 0.64 | ug/L |   |          | 11/04/24 20:59 | 2       |
| trans-1,2-Dichloroethene  | <0.74      |           | 2.0 | 0.74 | ug/L |   |          | 11/04/24 20:59 | 2       |
| trans-1,3-Dichloropropene | <0.29      |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 20:59 | 2       |
| <b>Trichloroethene</b>    | <b>24</b>  |           | 2.0 | 0.60 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Trichlorofluoromethane    | <0.40      |           | 4.0 | 0.40 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Vinyl chloride            | <0.45      |           | 2.0 | 0.45 | ug/L |   |          | 11/04/24 20:59 | 2       |
| Xylenes, Total            | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/04/24 20:59 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 127 |          | 11/04/24 20:59 | 2       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 78 - 120 |          | 11/04/24 20:59 | 2       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/04/24 20:59 | 2       |
| Dibromofluoromethane (Surr)  | 102       |           | 77 - 120 |          | 11/04/24 20:59 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (135-139)-202410

Lab Sample ID: 500-259162-6

Date Collected: 10/21/24 14:05

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <3.1   |           | 20  | 3.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1,1-Trichloroethane                 | <7.8   |           | 20  | 7.8 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1,2,2-Tetrachloroethane             | <4.2   |           | 20  | 4.2 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <15    |           | 60  | 15  | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1,2-Trichloroethane                 | <5.4   |           | 20  | 5.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1-Dichloroethane                    | <4.4   |           | 20  | 4.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1-Dichloroethene                    | <4.6   |           | 20  | 4.6 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,1-Dichloropropene                   | <3.8   |           | 20  | 3.8 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2,3-Trichlorobenzene                | <24    |           | 80  | 24  | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2,3-Trichloropropane                | <5.5   |           | 50  | 5.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2,4-Trichlorobenzene                | <12    |           | 20  | 12  | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2,4-Trimethylbenzene                | <3.0   |           | 20  | 3.0 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2-Dibromo-3-Chloropropane           | <8.5   |           | 100 | 8.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2-Dibromoethane                     | <3.7   |           | 20  | 3.7 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2-Dichlorobenzene                   | <2.9   |           | 20  | 2.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2-Dichloroethane                    | <5.6   |           | 20  | 5.6 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,2-Dichloropropane                   | <4.9   |           | 20  | 4.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,3,5-Trimethylbenzene                | <2.4   |           | 20  | 2.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,3-Dichlorobenzene                   | <6.7   |           | 20  | 6.7 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,3-Dichloropropane                   | <3.5   |           | 20  | 3.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 1,4-Dichlorobenzene                   | <7.8   |           | 20  | 7.8 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 2,2-Dichloropropane                   | <3.4   |           | 20  | 3.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 2-Butanone (MEK)                      | <92    |           | 200 | 92  | ug/L |   |          | 11/04/24 21:41 | 20      |
| 2-Chlorotoluene                       | <6.8   |           | 20  | 6.8 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 2-Hexanone                            | <16    |           | 100 | 16  | ug/L |   |          | 11/04/24 21:41 | 20      |
| 4-Chlorotoluene                       | <4.2   |           | 20  | 4.2 | ug/L |   |          | 11/04/24 21:41 | 20      |
| 4-Methyl-2-pentanone (MIBK)           | <20    |           | 100 | 20  | ug/L |   |          | 11/04/24 21:41 | 20      |
| Acetone                               | <130   |           | 300 | 130 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Benzene                               | <2.9   |           | 20  | 2.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Bromobenzene                          | <3.8   |           | 20  | 3.8 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Bromochloromethane                    | <8.1   |           | 20  | 8.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Bromodichloromethane                  | <3.7   |           | 20  | 3.7 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Bromoform                             | <4.9   |           | 40  | 4.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Bromomethane                          | <47    | ^c        | 100 | 47  | ug/L |   |          | 11/04/24 21:41 | 20      |
| Carbon disulfide                      | <5.1   |           | 40  | 5.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Carbon tetrachloride                  | <4.5   |           | 20  | 4.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Chlorobenzene                         | <1.8   |           | 20  | 1.8 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Chloroethane                          | <13    |           | 40  | 13  | ug/L |   |          | 11/04/24 21:41 | 20      |
| Chloroform                            | <7.2   |           | 20  | 7.2 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Chloromethane                         | <4.5   |           | 40  | 4.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| cis-1,2-Dichloroethene                | 85     |           | 20  | 6.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| cis-1,3-Dichloropropene               | <3.1   |           | 20  | 3.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Dibromochloromethane                  | <5.5   |           | 20  | 5.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Dibromomethane                        | <6.9   |           | 20  | 6.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Dichlorodifluoromethane               | <6.0   | ^c        | 40  | 6.0 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Diisopropyl ether                     | <22    |           | 200 | 22  | ug/L |   |          | 11/04/24 21:41 | 20      |
| Ethylbenzene                          | <2.9   |           | 20  | 2.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Hexachlorobutadiene                   | <11    |           | 40  | 11  | ug/L |   |          | 11/04/24 21:41 | 20      |
| Isopropylbenzene                      | <3.1   |           | 20  | 3.1 | ug/L |   |          | 11/04/24 21:41 | 20      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (135-139)-202410

Lab Sample ID: 500-259162-6

Date Collected: 10/21/24 14:05

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <5.0        |           | 100 | 5.0 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Methylene Chloride        | <19         |           | 40  | 19  | ug/L |   |          | 11/04/24 21:41 | 20      |
| m-Xylene & p-Xylene       | <7.1        |           | 40  | 7.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Naphthalene               | <20         | ^c        | 60  | 20  | ug/L |   |          | 11/04/24 21:41 | 20      |
| n-Butylbenzene            | <4.7        |           | 20  | 4.7 | ug/L |   |          | 11/04/24 21:41 | 20      |
| n-Hexane                  | <3.3        |           | 40  | 3.3 | ug/L |   |          | 11/04/24 21:41 | 20      |
| N-Propylbenzene           | <3.7        |           | 20  | 3.7 | ug/L |   |          | 11/04/24 21:41 | 20      |
| o-Xylene                  | <2.3        |           | 20  | 2.3 | ug/L |   |          | 11/04/24 21:41 | 20      |
| p-Isopropyltoluene        | <3.7        |           | 20  | 3.7 | ug/L |   |          | 11/04/24 21:41 | 20      |
| sec-Butylbenzene          | <4.1        |           | 20  | 4.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Styrene                   | <2.5        |           | 20  | 2.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| tert-Butylbenzene         | <3.5        |           | 20  | 3.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| <b>Tetrachloroethene</b>  | <b>2100</b> |           | 20  | 8.1 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Tetrahydrofuran           | <17         |           | 140 | 17  | ug/L |   |          | 11/04/24 21:41 | 20      |
| Toluene                   | <6.4        |           | 20  | 6.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| trans-1,2-Dichloroethene  | <7.4        |           | 20  | 7.4 | ug/L |   |          | 11/04/24 21:41 | 20      |
| trans-1,3-Dichloropropene | <2.9        |           | 20  | 2.9 | ug/L |   |          | 11/04/24 21:41 | 20      |
| <b>Trichloroethene</b>    | <b>130</b>  |           | 20  | 6.0 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Trichlorofluoromethane    | <4.0        |           | 40  | 4.0 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Vinyl chloride            | <4.5        |           | 20  | 4.5 | ug/L |   |          | 11/04/24 21:41 | 20      |
| Xylenes, Total            | <2.3        |           | 20  | 2.3 | ug/L |   |          | 11/04/24 21:41 | 20      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 127 |          | 11/04/24 21:41 | 20      |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 78 - 120 |          | 11/04/24 21:41 | 20      |
| Toluene-d8 (Surr)            | 99        |           | 80 - 125 |          | 11/04/24 21:41 | 20      |
| Dibromofluoromethane (Surr)  | 100       |           | 77 - 120 |          | 11/04/24 21:41 | 20      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (163-167)-202410

Lab Sample ID: 500-259162-7

Date Collected: 10/21/24 13:45

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1,1-Trichloroethane                 | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1,2,2-Tetrachloroethane             | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <1.5   |           | 6.0 | 1.5  | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1,2-Trichloroethane                 | <0.54  |           | 2.0 | 0.54 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1-Dichloroethane                    | <0.44  |           | 2.0 | 0.44 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1-Dichloroethene                    | <0.46  |           | 2.0 | 0.46 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,1-Dichloropropene                   | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2,3-Trichlorobenzene                | <2.4   |           | 8.0 | 2.4  | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2,3-Trichloropropane                | <0.55  |           | 5.0 | 0.55 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2,4-Trichlorobenzene                | <1.2   |           | 2.0 | 1.2  | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2,4-Trimethylbenzene                | <0.30  |           | 2.0 | 0.30 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2-Dibromo-3-Chloropropane           | <0.85  |           | 10  | 0.85 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2-Dibromoethane                     | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2-Dichlorobenzene                   | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2-Dichloroethane                    | <0.56  |           | 2.0 | 0.56 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,2-Dichloropropane                   | <0.49  |           | 2.0 | 0.49 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,3,5-Trimethylbenzene                | <0.24  |           | 2.0 | 0.24 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,3-Dichlorobenzene                   | <0.67  |           | 2.0 | 0.67 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,3-Dichloropropane                   | <0.35  |           | 2.0 | 0.35 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 1,4-Dichlorobenzene                   | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 2,2-Dichloropropane                   | <0.34  |           | 2.0 | 0.34 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 2-Butanone (MEK)                      | <9.2   |           | 20  | 9.2  | ug/L |   |          | 11/04/24 21:20 | 2       |
| 2-Chlorotoluene                       | <0.68  |           | 2.0 | 0.68 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 2-Hexanone                            | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/04/24 21:20 | 2       |
| 4-Chlorotoluene                       | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/04/24 21:20 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | <2.0   |           | 10  | 2.0  | ug/L |   |          | 11/04/24 21:20 | 2       |
| Acetone                               | <13    |           | 30  | 13   | ug/L |   |          | 11/04/24 21:20 | 2       |
| Benzene                               | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Bromobenzene                          | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Bromochloromethane                    | <0.81  |           | 2.0 | 0.81 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Bromodichloromethane                  | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Bromoform                             | <0.49  |           | 4.0 | 0.49 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Bromomethane                          | <4.7   | ^c        | 10  | 4.7  | ug/L |   |          | 11/04/24 21:20 | 2       |
| Carbon disulfide                      | <0.51  |           | 4.0 | 0.51 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Carbon tetrachloride                  | <0.45  |           | 2.0 | 0.45 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Chlorobenzene                         | <0.18  |           | 2.0 | 0.18 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Chloroethane                          | <1.3   |           | 4.0 | 1.3  | ug/L |   |          | 11/04/24 21:20 | 2       |
| Chloroform                            | <0.72  |           | 2.0 | 0.72 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Chloromethane                         | <0.45  |           | 4.0 | 0.45 | ug/L |   |          | 11/04/24 21:20 | 2       |
| cis-1,2-Dichloroethene                | 27     |           | 2.0 | 0.64 | ug/L |   |          | 11/04/24 21:20 | 2       |
| cis-1,3-Dichloropropene               | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Dibromochloromethane                  | <0.55  |           | 2.0 | 0.55 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Dibromomethane                        | <0.69  |           | 2.0 | 0.69 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Dichlorodifluoromethane               | <0.60  | ^c        | 4.0 | 0.60 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Diisopropyl ether                     | <2.2   |           | 20  | 2.2  | ug/L |   |          | 11/04/24 21:20 | 2       |
| Ethylbenzene                          | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Hexachlorobutadiene                   | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/04/24 21:20 | 2       |
| Isopropylbenzene                      | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/04/24 21:20 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-13 (163-167)-202410

Lab Sample ID: 500-259162-7

Date Collected: 10/21/24 13:45

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.50      |           | 10  | 0.50 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Methylene Chloride        | <1.9       |           | 4.0 | 1.9  | ug/L |   |          | 11/04/24 21:20 | 2       |
| m-Xylene & p-Xylene       | <0.71      |           | 4.0 | 0.71 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Naphthalene               | <2.0       | ^c        | 6.0 | 2.0  | ug/L |   |          | 11/04/24 21:20 | 2       |
| n-Butylbenzene            | <0.47      |           | 2.0 | 0.47 | ug/L |   |          | 11/04/24 21:20 | 2       |
| n-Hexane                  | <0.33      |           | 4.0 | 0.33 | ug/L |   |          | 11/04/24 21:20 | 2       |
| N-Propylbenzene           | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 21:20 | 2       |
| o-Xylene                  | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/04/24 21:20 | 2       |
| p-Isopropyltoluene        | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/04/24 21:20 | 2       |
| sec-Butylbenzene          | <0.41      |           | 2.0 | 0.41 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Styrene                   | <0.25      |           | 2.0 | 0.25 | ug/L |   |          | 11/04/24 21:20 | 2       |
| tert-Butylbenzene         | <0.35      |           | 2.0 | 0.35 | ug/L |   |          | 11/04/24 21:20 | 2       |
| <b>Tetrachloroethene</b>  | <b>200</b> |           | 2.0 | 0.81 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Tetrahydrofuran           | <1.7       |           | 14  | 1.7  | ug/L |   |          | 11/04/24 21:20 | 2       |
| Toluene                   | <0.64      |           | 2.0 | 0.64 | ug/L |   |          | 11/04/24 21:20 | 2       |
| trans-1,2-Dichloroethene  | <0.74      |           | 2.0 | 0.74 | ug/L |   |          | 11/04/24 21:20 | 2       |
| trans-1,3-Dichloropropene | <0.29      |           | 2.0 | 0.29 | ug/L |   |          | 11/04/24 21:20 | 2       |
| <b>Trichloroethene</b>    | <b>19</b>  |           | 2.0 | 0.60 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Trichlorofluoromethane    | <0.40      |           | 4.0 | 0.40 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Vinyl chloride            | <0.45      |           | 2.0 | 0.45 | ug/L |   |          | 11/04/24 21:20 | 2       |
| Xylenes, Total            | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/04/24 21:20 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 127 |          | 11/04/24 21:20 | 2       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 78 - 120 |          | 11/04/24 21:20 | 2       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/04/24 21:20 | 2       |
| Dibromofluoromethane (Surr)  | 101       |           | 77 - 120 |          | 11/04/24 21:20 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-14 (100-105)-202410

Lab Sample ID: 500-259162-8

Date Collected: 10/22/24 14:25

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 10/31/24 22:08 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 22:08 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 10/31/24 22:08 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 10/31/24 22:08 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 10/31/24 22:08 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 10/31/24 22:08 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 10/31/24 22:08 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 10/31/24 22:08 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 22:08 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-14 (100-105)-202410

Lab Sample ID: 500-259162-8

Date Collected: 10/22/24 14:25

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25       |           | 5.0 | 0.25 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Methylene Chloride        | <0.94       |           | 2.0 | 0.94 | ug/L |   |          | 10/31/24 22:08 | 1       |
| m-Xylene & p-Xylene       | <0.36       |           | 2.0 | 0.36 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Naphthalene               | <0.99       |           | 3.0 | 0.99 | ug/L |   |          | 10/31/24 22:08 | 1       |
| n-Butylbenzene            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 22:08 | 1       |
| n-Hexane                  | <0.16       |           | 2.0 | 0.16 | ug/L |   |          | 10/31/24 22:08 | 1       |
| N-Propylbenzene           | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 22:08 | 1       |
| o-Xylene                  | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 22:08 | 1       |
| p-Isopropyltoluene        | <0.19       |           | 1.0 | 0.19 | ug/L |   |          | 10/31/24 22:08 | 1       |
| sec-Butylbenzene          | <0.20       |           | 1.0 | 0.20 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Styrene                   | <0.13       |           | 1.0 | 0.13 | ug/L |   |          | 10/31/24 22:08 | 1       |
| tert-Butylbenzene         | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 22:08 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.40</b> | <b>J</b>  | 1.0 | 0.40 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Tetrahydrofuran           | <0.84       |           | 7.0 | 0.84 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Toluene                   | <0.32       |           | 1.0 | 0.32 | ug/L |   |          | 10/31/24 22:08 | 1       |
| trans-1,2-Dichloroethene  | <0.37       |           | 1.0 | 0.37 | ug/L |   |          | 10/31/24 22:08 | 1       |
| trans-1,3-Dichloropropene | <0.14       |           | 1.0 | 0.14 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Trichloroethene           | <0.30       |           | 1.0 | 0.30 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Trichlorofluoromethane    | <0.20       |           | 2.0 | 0.20 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Vinyl chloride            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 22:08 | 1       |
| Xylenes, Total            | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 22:08 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 127 |          | 10/31/24 22:08 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 78 - 120 |          | 10/31/24 22:08 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 10/31/24 22:08 | 1       |
| Dibromofluoromethane (Surr)  | 95        |           | 77 - 120 |          | 10/31/24 22:08 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-14 (135-140)-202410

Lab Sample ID: 500-259162-9

Date Collected: 10/22/24 14:04

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 10/31/24 22:42 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 22:42 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 10/31/24 22:42 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 10/31/24 22:42 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 10/31/24 22:42 | 1       |
| cis-1,2-Dichloroethene                | 0.68   | J         | 1.0 | 0.32  | ug/L |   |          | 10/31/24 22:42 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 10/31/24 22:42 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 10/31/24 22:42 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 22:42 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-14 (135-140)-202410

Lab Sample ID: 500-259162-9

Date Collected: 10/22/24 14:04

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 10/31/24 22:42 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Naphthalene               | <0.99      |           | 3.0 | 0.99 | ug/L |   |          | 10/31/24 22:42 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 22:42 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 10/31/24 22:42 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 22:42 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 22:42 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 10/31/24 22:42 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 10/31/24 22:42 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 22:42 | 1       |
| <b>Tetrachloroethene</b>  | <b>27</b>  |           | 1.0 | 0.40 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 10/31/24 22:42 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 10/31/24 22:42 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 10/31/24 22:42 | 1       |
| <b>Trichloroethene</b>    | <b>1.4</b> |           | 1.0 | 0.30 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 22:42 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 22:42 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 127 |          | 10/31/24 22:42 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 10/31/24 22:42 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 10/31/24 22:42 | 1       |
| Dibromofluoromethane (Surr)  | 95        |           | 77 - 120 |          | 10/31/24 22:42 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-14 (170-178)-202410

Lab Sample ID: 500-259162-10

Date Collected: 10/22/24 13:25

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1,1-Trichloroethane                 | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1,2,2-Tetrachloroethane             | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <3.6   |           | 15  | 3.6  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1,2-Trichloroethane                 | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1-Dichloroethane                    | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1-Dichloroethene                    | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,1-Dichloropropene                   | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2,3-Trichlorobenzene                | <6.0   |           | 20  | 6.0  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2,3-Trichloropropane                | <1.4   |           | 13  | 1.4  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2,4-Trichlorobenzene                | <2.9   |           | 5.0 | 2.9  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2,4-Trimethylbenzene                | <0.75  |           | 5.0 | 0.75 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <2.1   |           | 25  | 2.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2-Dibromoethane                     | <0.92  |           | 5.0 | 0.92 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2-Dichlorobenzene                   | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2-Dichloroethane                    | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,2-Dichloropropane                   | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,3,5-Trimethylbenzene                | <0.61  |           | 5.0 | 0.61 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,3-Dichlorobenzene                   | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,3-Dichloropropane                   | <0.87  |           | 5.0 | 0.87 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 1,4-Dichlorobenzene                   | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 2,2-Dichloropropane                   | <0.84  |           | 5.0 | 0.84 | ug/L |   |          | 11/05/24 02:12 | 5       |
| 2-Butanone (MEK)                      | <23    |           | 50  | 23   | ug/L |   |          | 11/05/24 02:12 | 5       |
| 2-Chlorotoluene                       | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 2-Hexanone                            | <4.1   |           | 25  | 4.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 4-Chlorotoluene                       | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <4.9   |           | 25  | 4.9  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Acetone                               | <33    |           | 75  | 33   | ug/L |   |          | 11/05/24 02:12 | 5       |
| Benzene                               | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Bromobenzene                          | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Bromochloromethane                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Bromodichloromethane                  | <0.94  |           | 5.0 | 0.94 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Bromoform                             | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Bromomethane                          | <12    | ^c        | 25  | 12   | ug/L |   |          | 11/05/24 02:12 | 5       |
| Carbon disulfide                      | <1.3   |           | 10  | 1.3  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Carbon tetrachloride                  | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Chlorobenzene                         | <0.46  |           | 5.0 | 0.46 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Chloroethane                          | <3.2   |           | 10  | 3.2  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Chloroform                            | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Chloromethane                         | <1.1   |           | 10  | 1.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| cis-1,2-Dichloroethene                | 19     |           | 5.0 | 1.6  | ug/L |   |          | 11/05/24 02:12 | 5       |
| cis-1,3-Dichloropropene               | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Dibromochloromethane                  | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Dibromomethane                        | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Dichlorodifluoromethane               | <1.5   | ^c        | 10  | 1.5  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Diisopropyl ether                     | <5.5   |           | 50  | 5.5  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Ethylbenzene                          | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Hexachlorobutadiene                   | <2.6   |           | 10  | 2.6  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Isopropylbenzene                      | <0.79  |           | 5.0 | 0.79 | ug/L |   |          | 11/05/24 02:12 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-14 (170-178)-202410

Lab Sample ID: 500-259162-10

Date Collected: 10/22/24 13:25

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <1.3       |           | 25  | 1.3  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Methylene Chloride        | <4.7       |           | 10  | 4.7  | ug/L |   |          | 11/05/24 02:12 | 5       |
| m-Xylene & p-Xylene       | <1.8       |           | 10  | 1.8  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Naphthalene               | <5.0       | ^c        | 15  | 5.0  | ug/L |   |          | 11/05/24 02:12 | 5       |
| n-Butylbenzene            | <1.2       |           | 5.0 | 1.2  | ug/L |   |          | 11/05/24 02:12 | 5       |
| n-Hexane                  | <0.82      |           | 10  | 0.82 | ug/L |   |          | 11/05/24 02:12 | 5       |
| N-Propylbenzene           | <0.92      |           | 5.0 | 0.92 | ug/L |   |          | 11/05/24 02:12 | 5       |
| o-Xylene                  | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/05/24 02:12 | 5       |
| p-Isopropyltoluene        | <0.93      |           | 5.0 | 0.93 | ug/L |   |          | 11/05/24 02:12 | 5       |
| sec-Butylbenzene          | <1.0       |           | 5.0 | 1.0  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Styrene                   | <0.63      |           | 5.0 | 0.63 | ug/L |   |          | 11/05/24 02:12 | 5       |
| tert-Butylbenzene         | <0.89      |           | 5.0 | 0.89 | ug/L |   |          | 11/05/24 02:12 | 5       |
| <b>Tetrachloroethene</b>  | <b>840</b> |           | 5.0 | 2.0  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Tetrahydrofuran           | <4.2       |           | 35  | 4.2  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Toluene                   | <1.6       |           | 5.0 | 1.6  | ug/L |   |          | 11/05/24 02:12 | 5       |
| trans-1,2-Dichloroethene  | <1.8       |           | 5.0 | 1.8  | ug/L |   |          | 11/05/24 02:12 | 5       |
| trans-1,3-Dichloropropene | <0.72      |           | 5.0 | 0.72 | ug/L |   |          | 11/05/24 02:12 | 5       |
| <b>Trichloroethene</b>    | <b>50</b>  |           | 5.0 | 1.5  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Trichlorofluoromethane    | <0.99      |           | 10  | 0.99 | ug/L |   |          | 11/05/24 02:12 | 5       |
| Vinyl chloride            | <1.1       |           | 5.0 | 1.1  | ug/L |   |          | 11/05/24 02:12 | 5       |
| Xylenes, Total            | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/05/24 02:12 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 70 - 127 |          | 11/05/24 02:12 | 5       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 78 - 120 |          | 11/05/24 02:12 | 5       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 125 |          | 11/05/24 02:12 | 5       |
| Dibromofluoromethane (Surr)  | 101       |           | 77 - 120 |          | 11/05/24 02:12 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (088-092)-202410

Lab Sample ID: 500-259162-11

Date Collected: 10/22/24 10:35

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result   | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|----------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.31    |           | 2.0 | 0.31 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1,1-Trichloroethane                 | <0.78    |           | 2.0 | 0.78 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1,2,2-Tetrachloroethane             | <0.42    |           | 2.0 | 0.42 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <1.5     |           | 6.0 | 1.5  | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1,2-Trichloroethane                 | <0.54    |           | 2.0 | 0.54 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1-Dichloroethane                    | <0.44    |           | 2.0 | 0.44 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1-Dichloroethene                    | <0.46    |           | 2.0 | 0.46 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,1-Dichloropropene                   | <0.38    |           | 2.0 | 0.38 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2,3-Trichlorobenzene                | <2.4     |           | 8.0 | 2.4  | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2,3-Trichloropropane                | <0.55    |           | 5.0 | 0.55 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2,4-Trichlorobenzene                | <1.2     |           | 2.0 | 1.2  | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2,4-Trimethylbenzene                | <0.30    |           | 2.0 | 0.30 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2-Dibromo-3-Chloropropane           | <0.85    |           | 10  | 0.85 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2-Dibromoethane                     | <0.37    |           | 2.0 | 0.37 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2-Dichlorobenzene                   | <0.29    |           | 2.0 | 0.29 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2-Dichloroethane                    | <0.56    |           | 2.0 | 0.56 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,2-Dichloropropane                   | <0.49    |           | 2.0 | 0.49 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,3,5-Trimethylbenzene                | <0.24    |           | 2.0 | 0.24 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,3-Dichlorobenzene                   | <0.67    |           | 2.0 | 0.67 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,3-Dichloropropane                   | <0.35    |           | 2.0 | 0.35 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 1,4-Dichlorobenzene                   | <0.78    |           | 2.0 | 0.78 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 2,2-Dichloropropane                   | <0.34    |           | 2.0 | 0.34 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 2-Butanone (MEK)                      | <9.2     |           | 20  | 9.2  | ug/L |   |          | 11/05/24 01:51 | 2       |
| 2-Chlorotoluene                       | <0.68    |           | 2.0 | 0.68 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 2-Hexanone                            | <1.6     |           | 10  | 1.6  | ug/L |   |          | 11/05/24 01:51 | 2       |
| 4-Chlorotoluene                       | <0.42    |           | 2.0 | 0.42 | ug/L |   |          | 11/05/24 01:51 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | <2.0     |           | 10  | 2.0  | ug/L |   |          | 11/05/24 01:51 | 2       |
| Acetone                               | <13      |           | 30  | 13   | ug/L |   |          | 11/05/24 01:51 | 2       |
| Benzene                               | <0.29    |           | 2.0 | 0.29 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Bromobenzene                          | <0.38    |           | 2.0 | 0.38 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Bromochloromethane                    | <0.81    |           | 2.0 | 0.81 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Bromodichloromethane                  | <0.37    |           | 2.0 | 0.37 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Bromoform                             | <0.49    |           | 4.0 | 0.49 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Bromomethane                          | <4.7 ^c  |           | 10  | 4.7  | ug/L |   |          | 11/05/24 01:51 | 2       |
| Carbon disulfide                      | <0.51    |           | 4.0 | 0.51 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Carbon tetrachloride                  | <0.45    |           | 2.0 | 0.45 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Chlorobenzene                         | <0.18    |           | 2.0 | 0.18 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Chloroethane                          | <1.3     |           | 4.0 | 1.3  | ug/L |   |          | 11/05/24 01:51 | 2       |
| Chloroform                            | <0.72    |           | 2.0 | 0.72 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Chloromethane                         | <0.45    |           | 4.0 | 0.45 | ug/L |   |          | 11/05/24 01:51 | 2       |
| cis-1,2-Dichloroethene                | 25       |           | 2.0 | 0.64 | ug/L |   |          | 11/05/24 01:51 | 2       |
| cis-1,3-Dichloropropene               | <0.31    |           | 2.0 | 0.31 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Dibromochloromethane                  | <0.55    |           | 2.0 | 0.55 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Dibromomethane                        | <0.69    |           | 2.0 | 0.69 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Dichlorodifluoromethane               | <0.60 ^c |           | 4.0 | 0.60 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Diisopropyl ether                     | <2.2     |           | 20  | 2.2  | ug/L |   |          | 11/05/24 01:51 | 2       |
| Ethylbenzene                          | <0.29    |           | 2.0 | 0.29 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Hexachlorobutadiene                   | <1.1     |           | 4.0 | 1.1  | ug/L |   |          | 11/05/24 01:51 | 2       |
| Isopropylbenzene                      | <0.31    |           | 2.0 | 0.31 | ug/L |   |          | 11/05/24 01:51 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (088-092)-202410

Lab Sample ID: 500-259162-11

Date Collected: 10/22/24 10:35

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.50      |           | 10  | 0.50 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Methylene Chloride        | <1.9       |           | 4.0 | 1.9  | ug/L |   |          | 11/05/24 01:51 | 2       |
| m-Xylene & p-Xylene       | <0.71      |           | 4.0 | 0.71 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Naphthalene               | <2.0       | ^c        | 6.0 | 2.0  | ug/L |   |          | 11/05/24 01:51 | 2       |
| n-Butylbenzene            | <0.47      |           | 2.0 | 0.47 | ug/L |   |          | 11/05/24 01:51 | 2       |
| n-Hexane                  | <0.33      |           | 4.0 | 0.33 | ug/L |   |          | 11/05/24 01:51 | 2       |
| N-Propylbenzene           | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/05/24 01:51 | 2       |
| o-Xylene                  | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/05/24 01:51 | 2       |
| p-Isopropyltoluene        | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/05/24 01:51 | 2       |
| sec-Butylbenzene          | <0.41      |           | 2.0 | 0.41 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Styrene                   | <0.25      |           | 2.0 | 0.25 | ug/L |   |          | 11/05/24 01:51 | 2       |
| tert-Butylbenzene         | <0.35      |           | 2.0 | 0.35 | ug/L |   |          | 11/05/24 01:51 | 2       |
| <b>Tetrachloroethene</b>  | <b>160</b> |           | 2.0 | 0.81 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Tetrahydrofuran           | <1.7       |           | 14  | 1.7  | ug/L |   |          | 11/05/24 01:51 | 2       |
| Toluene                   | <0.64      |           | 2.0 | 0.64 | ug/L |   |          | 11/05/24 01:51 | 2       |
| trans-1,2-Dichloroethene  | <0.74      |           | 2.0 | 0.74 | ug/L |   |          | 11/05/24 01:51 | 2       |
| trans-1,3-Dichloropropene | <0.29      |           | 2.0 | 0.29 | ug/L |   |          | 11/05/24 01:51 | 2       |
| <b>Trichloroethene</b>    | <b>13</b>  |           | 2.0 | 0.60 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Trichlorofluoromethane    | <0.40      |           | 4.0 | 0.40 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Vinyl chloride            | <0.45      |           | 2.0 | 0.45 | ug/L |   |          | 11/05/24 01:51 | 2       |
| Xylenes, Total            | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/05/24 01:51 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 70 - 127 |          | 11/05/24 01:51 | 2       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 78 - 120 |          | 11/05/24 01:51 | 2       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 125 |          | 11/05/24 01:51 | 2       |
| Dibromofluoromethane (Surr)  | 103       |           | 77 - 120 |          | 11/05/24 01:51 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (100-105)-202410

Lab Sample ID: 500-259162-12

Date Collected: 10/22/24 10:15

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1,1-Trichloroethane                 | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1,2,2-Tetrachloroethane             | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <7.3   |           | 30  | 7.3  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1,2-Trichloroethane                 | <2.7   |           | 10  | 2.7  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1-Dichloroethane                    | <2.2   |           | 10  | 2.2  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1-Dichloroethene                    | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,1-Dichloropropene                   | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2,3-Trichlorobenzene                | <12    |           | 40  | 12   | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2,3-Trichloropropane                | <2.8   |           | 25  | 2.8  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2,4-Trichlorobenzene                | <5.8   |           | 10  | 5.8  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2,4-Trimethylbenzene                | <1.5   |           | 10  | 1.5  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2-Dibromo-3-Chloropropane           | <4.2   |           | 50  | 4.2  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2-Dibromoethane                     | <1.8   |           | 10  | 1.8  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2-Dichlorobenzene                   | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2-Dichloroethane                    | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,2-Dichloropropane                   | <2.4   |           | 10  | 2.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,3,5-Trimethylbenzene                | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,3-Dichlorobenzene                   | <3.3   |           | 10  | 3.3  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,3-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 1,4-Dichlorobenzene                   | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 2,2-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 2-Butanone (MEK)                      | <46    |           | 100 | 46   | ug/L |   |          | 11/01/24 02:19 | 10      |
| 2-Chlorotoluene                       | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 2-Hexanone                            | <8.1   |           | 50  | 8.1  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 4-Chlorotoluene                       | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 02:19 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | <9.8   |           | 50  | 9.8  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Acetone                               | <66    |           | 150 | 66   | ug/L |   |          | 11/01/24 02:19 | 10      |
| Benzene                               | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Bromobenzene                          | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Bromochloromethane                    | <4.0   |           | 10  | 4.0  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Bromodichloromethane                  | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Bromoform                             | <2.5   |           | 20  | 2.5  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Bromomethane                          | <24    |           | 50  | 24   | ug/L |   |          | 11/01/24 02:19 | 10      |
| Carbon disulfide                      | <2.6   |           | 20  | 2.6  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Carbon tetrachloride                  | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Chlorobenzene                         | <0.92  |           | 10  | 0.92 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Chloroethane                          | <6.4   |           | 20  | 6.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Chloroform                            | <3.6   |           | 10  | 3.6  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Chloromethane                         | <2.3   | ^c        | 20  | 2.3  | ug/L |   |          | 11/01/24 02:19 | 10      |
| cis-1,2-Dichloroethene                | <3.2   |           | 10  | 3.2  | ug/L |   |          | 11/01/24 02:19 | 10      |
| cis-1,3-Dichloropropene               | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Dibromochloromethane                  | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Dibromomethane                        | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Dichlorodifluoromethane               | <3.0   |           | 20  | 3.0  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Diisopropyl ether                     | <11    |           | 100 | 11   | ug/L |   |          | 11/01/24 02:19 | 10      |
| Ethylbenzene                          | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Hexachlorobutadiene                   | <5.3   |           | 20  | 5.3  | ug/L |   |          | 11/01/24 02:19 | 10      |
| Isopropylbenzene                      | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 02:19 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (100-105)-202410

Lab Sample ID: 500-259162-12

Date Collected: 10/22/24 10:15

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <2.5       |           | 50  | 2.5 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Methylene Chloride        | <9.4       |           | 20  | 9.4 | ug/L |   |          | 11/01/24 02:19 | 10      |
| m-Xylene & p-Xylene       | <3.6       |           | 20  | 3.6 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Naphthalene               | <9.9       |           | 30  | 9.9 | ug/L |   |          | 11/01/24 02:19 | 10      |
| n-Butylbenzene            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 02:19 | 10      |
| n-Hexane                  | <1.6       |           | 20  | 1.6 | ug/L |   |          | 11/01/24 02:19 | 10      |
| N-Propylbenzene           | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 02:19 | 10      |
| o-Xylene                  | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 02:19 | 10      |
| p-Isopropyltoluene        | <1.9       |           | 10  | 1.9 | ug/L |   |          | 11/01/24 02:19 | 10      |
| sec-Butylbenzene          | <2.0       |           | 10  | 2.0 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Styrene                   | <1.3       |           | 10  | 1.3 | ug/L |   |          | 11/01/24 02:19 | 10      |
| tert-Butylbenzene         | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 02:19 | 10      |
| <b>Tetrachloroethene</b>  | <b>770</b> |           | 10  | 4.0 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Tetrahydrofuran           | <8.4       |           | 70  | 8.4 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Toluene                   | <3.2       |           | 10  | 3.2 | ug/L |   |          | 11/01/24 02:19 | 10      |
| trans-1,2-Dichloroethene  | <3.7       |           | 10  | 3.7 | ug/L |   |          | 11/01/24 02:19 | 10      |
| trans-1,3-Dichloropropene | <1.4       |           | 10  | 1.4 | ug/L |   |          | 11/01/24 02:19 | 10      |
| <b>Trichloroethene</b>    | <b>45</b>  |           | 10  | 3.0 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Trichlorofluoromethane    | <2.0       |           | 20  | 2.0 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Vinyl chloride            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 02:19 | 10      |
| Xylenes, Total            | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 02:19 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 127 |          | 11/01/24 02:19 | 10      |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 11/01/24 02:19 | 10      |
| Toluene-d8 (Surr)            | 103       |           | 80 - 125 |          | 11/01/24 02:19 | 10      |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/01/24 02:19 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (120-125)-202410

Lab Sample ID: 500-259162-13

Date Collected: 10/22/24 10:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1,1-Trichloroethane                 | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1,2,2-Tetrachloroethane             | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <7.3   |           | 30  | 7.3  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1,2-Trichloroethane                 | <2.7   |           | 10  | 2.7  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1-Dichloroethane                    | <2.2   |           | 10  | 2.2  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1-Dichloroethene                    | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,1-Dichloropropene                   | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2,3-Trichlorobenzene                | <12    |           | 40  | 12   | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2,3-Trichloropropane                | <2.8   |           | 25  | 2.8  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2,4-Trichlorobenzene                | <5.8   |           | 10  | 5.8  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2,4-Trimethylbenzene                | <1.5   |           | 10  | 1.5  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2-Dibromo-3-Chloropropane           | <4.2   |           | 50  | 4.2  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2-Dibromoethane                     | <1.8   |           | 10  | 1.8  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2-Dichlorobenzene                   | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2-Dichloroethane                    | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,2-Dichloropropane                   | <2.4   |           | 10  | 2.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,3,5-Trimethylbenzene                | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,3-Dichlorobenzene                   | <3.3   |           | 10  | 3.3  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,3-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 1,4-Dichlorobenzene                   | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 2,2-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 2-Butanone (MEK)                      | <46    |           | 100 | 46   | ug/L |   |          | 11/01/24 02:41 | 10      |
| 2-Chlorotoluene                       | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 2-Hexanone                            | <8.1   |           | 50  | 8.1  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 4-Chlorotoluene                       | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/01/24 02:41 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | <9.8   |           | 50  | 9.8  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Acetone                               | <66    |           | 150 | 66   | ug/L |   |          | 11/01/24 02:41 | 10      |
| Benzene                               | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Bromobenzene                          | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Bromochloromethane                    | <4.0   |           | 10  | 4.0  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Bromodichloromethane                  | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Bromoform                             | <2.5   |           | 20  | 2.5  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Bromomethane                          | <24    |           | 50  | 24   | ug/L |   |          | 11/01/24 02:41 | 10      |
| Carbon disulfide                      | <2.6   |           | 20  | 2.6  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Carbon tetrachloride                  | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Chlorobenzene                         | <0.92  |           | 10  | 0.92 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Chloroethane                          | <6.4   |           | 20  | 6.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Chloroform                            | <3.6   |           | 10  | 3.6  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Chloromethane                         | <2.3   | ^c        | 20  | 2.3  | ug/L |   |          | 11/01/24 02:41 | 10      |
| cis-1,2-Dichloroethene                | 33     |           | 10  | 3.2  | ug/L |   |          | 11/01/24 02:41 | 10      |
| cis-1,3-Dichloropropene               | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Dibromochloromethane                  | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Dibromomethane                        | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Dichlorodifluoromethane               | <3.0   |           | 20  | 3.0  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Diisopropyl ether                     | <11    |           | 100 | 11   | ug/L |   |          | 11/01/24 02:41 | 10      |
| Ethylbenzene                          | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Hexachlorobutadiene                   | <5.3   |           | 20  | 5.3  | ug/L |   |          | 11/01/24 02:41 | 10      |
| Isopropylbenzene                      | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/01/24 02:41 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (120-125)-202410

Lab Sample ID: 500-259162-13

Date Collected: 10/22/24 10:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <2.5       |           | 50  | 2.5 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Methylene Chloride        | <9.4       |           | 20  | 9.4 | ug/L |   |          | 11/01/24 02:41 | 10      |
| m-Xylene & p-Xylene       | <3.6       |           | 20  | 3.6 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Naphthalene               | <9.9       |           | 30  | 9.9 | ug/L |   |          | 11/01/24 02:41 | 10      |
| n-Butylbenzene            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 02:41 | 10      |
| n-Hexane                  | <1.6       |           | 20  | 1.6 | ug/L |   |          | 11/01/24 02:41 | 10      |
| N-Propylbenzene           | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 02:41 | 10      |
| o-Xylene                  | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 02:41 | 10      |
| p-Isopropyltoluene        | <1.9       |           | 10  | 1.9 | ug/L |   |          | 11/01/24 02:41 | 10      |
| sec-Butylbenzene          | <2.0       |           | 10  | 2.0 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Styrene                   | <1.3       |           | 10  | 1.3 | ug/L |   |          | 11/01/24 02:41 | 10      |
| tert-Butylbenzene         | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/01/24 02:41 | 10      |
| <b>Tetrachloroethene</b>  | <b>820</b> |           | 10  | 4.0 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Tetrahydrofuran           | <8.4       |           | 70  | 8.4 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Toluene                   | <3.2       |           | 10  | 3.2 | ug/L |   |          | 11/01/24 02:41 | 10      |
| trans-1,2-Dichloroethene  | <3.7       |           | 10  | 3.7 | ug/L |   |          | 11/01/24 02:41 | 10      |
| trans-1,3-Dichloropropene | <1.4       |           | 10  | 1.4 | ug/L |   |          | 11/01/24 02:41 | 10      |
| <b>Trichloroethene</b>    | <b>46</b>  |           | 10  | 3.0 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Trichlorofluoromethane    | <2.0       |           | 20  | 2.0 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Vinyl chloride            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/01/24 02:41 | 10      |
| Xylenes, Total            | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/01/24 02:41 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 127 |          | 11/01/24 02:41 | 10      |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 78 - 120 |          | 11/01/24 02:41 | 10      |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 11/01/24 02:41 | 10      |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/01/24 02:41 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (142-146)-202410

Lab Sample ID: 500-259162-14

Date Collected: 10/22/24 09:40

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result  | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|---------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <3.9    |           | 25  | 3.9 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1,1-Trichloroethane                 | <9.8    |           | 25  | 9.8 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1,2,2-Tetrachloroethane             | <5.3    |           | 25  | 5.3 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <18     |           | 75  | 18  | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1,2-Trichloroethane                 | <6.8    |           | 25  | 6.8 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1-Dichloroethane                    | <5.5    |           | 25  | 5.5 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1-Dichloroethene                    | <5.8    |           | 25  | 5.8 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,1-Dichloropropene                   | <4.8    |           | 25  | 4.8 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2,3-Trichlorobenzene                | <30     |           | 100 | 30  | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2,3-Trichloropropane                | <6.9    |           | 63  | 6.9 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2,4-Trichlorobenzene                | <15     |           | 25  | 15  | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2,4-Trimethylbenzene                | <3.8    |           | 25  | 3.8 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2-Dibromo-3-Chloropropane           | <11     |           | 130 | 11  | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2-Dibromoethane                     | <4.6    |           | 25  | 4.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2-Dichlorobenzene                   | <3.6    |           | 25  | 3.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2-Dichloroethane                    | <7.1    |           | 25  | 7.1 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,2-Dichloropropane                   | <6.1    |           | 25  | 6.1 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,3,5-Trimethylbenzene                | <3.0    |           | 25  | 3.0 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,3-Dichlorobenzene                   | <8.4    |           | 25  | 8.4 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,3-Dichloropropane                   | <4.4    |           | 25  | 4.4 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 1,4-Dichlorobenzene                   | <9.7    |           | 25  | 9.7 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 2,2-Dichloropropane                   | <4.2    |           | 25  | 4.2 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 2-Butanone (MEK)                      | <120    |           | 250 | 120 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 2-Chlorotoluene                       | <8.5    |           | 25  | 8.5 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 2-Hexanone                            | <20     |           | 130 | 20  | ug/L |   |          | 11/01/24 03:25 | 25      |
| 4-Chlorotoluene                       | <5.3    |           | 25  | 5.3 | ug/L |   |          | 11/01/24 03:25 | 25      |
| 4-Methyl-2-pentanone (MIBK)           | <25     |           | 130 | 25  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Acetone                               | <170    |           | 380 | 170 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Benzene                               | <3.6    |           | 25  | 3.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Bromobenzene                          | <4.7    |           | 25  | 4.7 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Bromochloromethane                    | <10     |           | 25  | 10  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Bromodichloromethane                  | <4.7    |           | 25  | 4.7 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Bromoform                             | <6.1    |           | 50  | 6.1 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Bromomethane                          | <59     |           | 130 | 59  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Carbon disulfide                      | <6.4    |           | 50  | 6.4 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Carbon tetrachloride                  | <5.7    |           | 25  | 5.7 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Chlorobenzene                         | <2.3    |           | 25  | 2.3 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Chloroethane                          | <16     |           | 50  | 16  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Chloroform                            | <9.0    |           | 25  | 9.0 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Chloromethane                         | <5.7 ^c |           | 50  | 5.7 | ug/L |   |          | 11/01/24 03:25 | 25      |
| cis-1,2-Dichloroethene                | 47      |           | 25  | 8.0 | ug/L |   |          | 11/01/24 03:25 | 25      |
| cis-1,3-Dichloropropene               | <3.9    |           | 25  | 3.9 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Dibromochloromethane                  | <6.9    |           | 25  | 6.9 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Dibromomethane                        | <8.6    |           | 25  | 8.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Dichlorodifluoromethane               | <7.5    |           | 50  | 7.5 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Diisopropyl ether                     | <27     |           | 250 | 27  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Ethylbenzene                          | <3.6    |           | 25  | 3.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Hexachlorobutadiene                   | <13     |           | 50  | 13  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Isopropylbenzene                      | <3.9    |           | 25  | 3.9 | ug/L |   |          | 11/01/24 03:25 | 25      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (142-146)-202410

Lab Sample ID: 500-259162-14

Date Collected: 10/22/24 09:40

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <6.3        |           | 130 | 6.3 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Methylene Chloride        | <23         |           | 50  | 23  | ug/L |   |          | 11/01/24 03:25 | 25      |
| m-Xylene & p-Xylene       | <8.9        |           | 50  | 8.9 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Naphthalene               | <25         |           | 75  | 25  | ug/L |   |          | 11/01/24 03:25 | 25      |
| n-Butylbenzene            | <5.8        |           | 25  | 5.8 | ug/L |   |          | 11/01/24 03:25 | 25      |
| n-Hexane                  | <4.1        |           | 50  | 4.1 | ug/L |   |          | 11/01/24 03:25 | 25      |
| N-Propylbenzene           | <4.6        |           | 25  | 4.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| o-Xylene                  | <2.9        |           | 25  | 2.9 | ug/L |   |          | 11/01/24 03:25 | 25      |
| p-Isopropyltoluene        | <4.6        |           | 25  | 4.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| sec-Butylbenzene          | <5.1        |           | 25  | 5.1 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Styrene                   | <3.2        |           | 25  | 3.2 | ug/L |   |          | 11/01/24 03:25 | 25      |
| tert-Butylbenzene         | <4.4        |           | 25  | 4.4 | ug/L |   |          | 11/01/24 03:25 | 25      |
| <b>Tetrachloroethene</b>  | <b>1000</b> |           | 25  | 10  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Tetrahydrofuran           | <21         |           | 180 | 21  | ug/L |   |          | 11/01/24 03:25 | 25      |
| Toluene                   | <8.1        |           | 25  | 8.1 | ug/L |   |          | 11/01/24 03:25 | 25      |
| trans-1,2-Dichloroethene  | <9.2        |           | 25  | 9.2 | ug/L |   |          | 11/01/24 03:25 | 25      |
| trans-1,3-Dichloropropene | <3.6        |           | 25  | 3.6 | ug/L |   |          | 11/01/24 03:25 | 25      |
| <b>Trichloroethene</b>    | <b>62</b>   |           | 25  | 7.5 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Trichlorofluoromethane    | <5.0        |           | 50  | 5.0 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Vinyl chloride            | <5.7        |           | 25  | 5.7 | ug/L |   |          | 11/01/24 03:25 | 25      |
| Xylenes, Total            | <2.9        |           | 25  | 2.9 | ug/L |   |          | 11/01/24 03:25 | 25      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 127 |          | 11/01/24 03:25 | 25      |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/01/24 03:25 | 25      |
| Toluene-d8 (Surr)            | 105       |           | 80 - 125 |          | 11/01/24 03:25 | 25      |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/01/24 03:25 | 25      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (177-187)-202410

Lab Sample ID: 500-259162-15

Date Collected: 10/22/24 09:10

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 10/31/24 23:02 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 23:02 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 10/31/24 23:02 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 10/31/24 23:02 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 10/31/24 23:02 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 10/31/24 23:02 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 10/31/24 23:02 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 10/31/24 23:02 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:02 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-15 (177-187)-202410

Lab Sample ID: 500-259162-15

Date Collected: 10/22/24 09:10

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 10/31/24 23:02 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Naphthalene               | <0.99      |           | 3.0 | 0.99 | ug/L |   |          | 10/31/24 23:02 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 23:02 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 10/31/24 23:02 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 23:02 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 23:02 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 10/31/24 23:02 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 10/31/24 23:02 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 23:02 | 1       |
| <b>Tetrachloroethene</b>  | <b>2.6</b> |           | 1.0 | 0.40 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 10/31/24 23:02 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 10/31/24 23:02 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Trichloroethene           | <0.30      |           | 1.0 | 0.30 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 23:02 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 23:02 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 127 |          | 10/31/24 23:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 10/31/24 23:02 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 125 |          | 10/31/24 23:02 | 1       |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 10/31/24 23:02 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-16 (106-116)-202410

Lab Sample ID: 500-259162-16

Date Collected: 10/22/24 12:40

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 10/31/24 23:22 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 23:22 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 10/31/24 23:22 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 10/31/24 23:22 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 10/31/24 23:22 | 1       |
| cis-1,2-Dichloroethene                | 2.7    |           | 1.0 | 0.32  | ug/L |   |          | 10/31/24 23:22 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 10/31/24 23:22 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 10/31/24 23:22 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:22 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-16 (106-116)-202410

Lab Sample ID: 500-259162-16

Date Collected: 10/22/24 12:40

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 10/31/24 23:22 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Naphthalene               | <0.99      |           | 3.0 | 0.99 | ug/L |   |          | 10/31/24 23:22 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 23:22 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 10/31/24 23:22 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 23:22 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 23:22 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 10/31/24 23:22 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 10/31/24 23:22 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 23:22 | 1       |
| <b>Tetrachloroethene</b>  | <b>36</b>  |           | 1.0 | 0.40 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 10/31/24 23:22 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 10/31/24 23:22 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 10/31/24 23:22 | 1       |
| <b>Trichloroethene</b>    | <b>4.0</b> |           | 1.0 | 0.30 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 23:22 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 23:22 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 127 |          | 10/31/24 23:22 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 78 - 120 |          | 10/31/24 23:22 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 80 - 125 |          | 10/31/24 23:22 | 1       |
| Dibromofluoromethane (Surr)  | 95        |           | 77 - 120 |          | 10/31/24 23:22 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-16 (140-144)-202410

Lab Sample ID: 500-259162-17

Date Collected: 10/22/24 12:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 10/31/24 23:42 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 10/31/24 23:42 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 10/31/24 23:42 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 10/31/24 23:42 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 10/31/24 23:42 | 1       |
| cis-1,2-Dichloroethene                | 1.5    |           | 1.0 | 0.32  | ug/L |   |          | 10/31/24 23:42 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 10/31/24 23:42 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 10/31/24 23:42 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 10/31/24 23:42 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-16 (140-144)-202410

Lab Sample ID: 500-259162-17

Date Collected: 10/22/24 12:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 10/31/24 23:42 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Naphthalene               | <0.99      |           | 3.0 | 0.99 | ug/L |   |          | 10/31/24 23:42 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 23:42 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 10/31/24 23:42 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 23:42 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 23:42 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 10/31/24 23:42 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 10/31/24 23:42 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 10/31/24 23:42 | 1       |
| <b>Tetrachloroethene</b>  | <b>47</b>  |           | 1.0 | 0.40 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 10/31/24 23:42 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 10/31/24 23:42 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 10/31/24 23:42 | 1       |
| <b>Trichloroethene</b>    | <b>7.4</b> |           | 1.0 | 0.30 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 10/31/24 23:42 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 10/31/24 23:42 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 127 |          | 10/31/24 23:42 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 10/31/24 23:42 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 10/31/24 23:42 | 1       |
| Dibromofluoromethane (Surr)  | 93        |           | 77 - 120 |          | 10/31/24 23:42 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-16 (175-179)-202410

Lab Sample ID: 500-259162-18

Date Collected: 10/22/24 11:40

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  | ^c        | 5.0 | 0.42  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/04/24 17:11 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/04/24 17:11 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/04/24 17:11 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/04/24 17:11 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/04/24 17:11 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/04/24 17:11 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/04/24 17:11 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/04/24 17:11 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 17:11 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MP-16 (175-179)-202410

Lab Sample ID: 500-259162-18

Date Collected: 10/22/24 11:40

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result        | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25         |           | 5.0 | 0.25 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Methylene Chloride        | <0.94         |           | 2.0 | 0.94 | ug/L |   |          | 11/04/24 17:11 | 1       |
| m-Xylene & p-Xylene       | <0.36         |           | 2.0 | 0.36 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Naphthalene               | <0.99         |           | 3.0 | 0.99 | ug/L |   |          | 11/04/24 17:11 | 1       |
| n-Butylbenzene            | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 11/04/24 17:11 | 1       |
| n-Hexane                  | <0.16         |           | 2.0 | 0.16 | ug/L |   |          | 11/04/24 17:11 | 1       |
| N-Propylbenzene           | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 11/04/24 17:11 | 1       |
| o-Xylene                  | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 11/04/24 17:11 | 1       |
| p-Isopropyltoluene        | <0.19         |           | 1.0 | 0.19 | ug/L |   |          | 11/04/24 17:11 | 1       |
| sec-Butylbenzene          | <0.20         |           | 1.0 | 0.20 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Styrene                   | <0.13         |           | 1.0 | 0.13 | ug/L |   |          | 11/04/24 17:11 | 1       |
| tert-Butylbenzene         | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 11/04/24 17:11 | 1       |
| <b>Tetrachloroethene</b>  | <b>3.4</b>    |           | 1.0 | 0.40 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Tetrahydrofuran           | <0.84         |           | 7.0 | 0.84 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Toluene                   | <0.32         |           | 1.0 | 0.32 | ug/L |   |          | 11/04/24 17:11 | 1       |
| trans-1,2-Dichloroethene  | <0.37         |           | 1.0 | 0.37 | ug/L |   |          | 11/04/24 17:11 | 1       |
| trans-1,3-Dichloropropene | <0.14         |           | 1.0 | 0.14 | ug/L |   |          | 11/04/24 17:11 | 1       |
| <b>Trichloroethene</b>    | <b>0.46 J</b> |           | 1.0 | 0.30 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Trichlorofluoromethane    | <0.20         |           | 2.0 | 0.20 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Vinyl chloride            | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 11/04/24 17:11 | 1       |
| Xylenes, Total            | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 11/04/24 17:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 70 - 127 |          | 11/04/24 17:11 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 78 - 120 |          | 11/04/24 17:11 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 125 |          | 11/04/24 17:11 | 1       |
| Dibromofluoromethane (Surr)  | 103       |           | 77 - 120 |          | 11/04/24 17:11 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-01-202410

Lab Sample ID: 500-259162-19

Date Collected: 10/24/24 17:19

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1-Dichloroethene                    | 0.49   | J         | 1.0 | 0.23  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 10:43 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 10:43 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 10:43 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 10:43 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 11/06/24 10:43 | 1       |
| cis-1,2-Dichloroethene                | 22     |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 10:43 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 10:43 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 10:43 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 10:43 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-01-202410

Lab Sample ID: 500-259162-19

Date Collected: 10/24/24 17:19

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                         | Result        | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|---------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether         | <0.25         |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Methylene Chloride              | <0.94         |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 10:43 | 1       |
| m-Xylene & p-Xylene             | <0.36         |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Naphthalene                     | <0.99         |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 10:43 | 1       |
| n-Butylbenzene                  | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 10:43 | 1       |
| n-Hexane                        | <0.16         |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 10:43 | 1       |
| N-Propylbenzene                 | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 10:43 | 1       |
| o-Xylene                        | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 10:43 | 1       |
| p-Isopropyltoluene              | <0.19         |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 10:43 | 1       |
| sec-Butylbenzene                | <0.20         |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Styrene                         | <0.13         |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 10:43 | 1       |
| tert-Butylbenzene               | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 10:43 | 1       |
| <b>Tetrachloroethene</b>        | <b>28</b>     |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Tetrahydrofuran                 | <0.84         |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Toluene                         | <0.32         |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 10:43 | 1       |
| <b>trans-1,2-Dichloroethene</b> | <b>0.67 J</b> |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 10:43 | 1       |
| trans-1,3-Dichloropropene       | <0.14         |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 10:43 | 1       |
| <b>Trichloroethene</b>          | <b>22</b>     |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Trichlorofluoromethane          | <0.20         |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 10:43 | 1       |
| <b>Vinyl chloride</b>           | <b>1.2</b>    |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 10:43 | 1       |
| Xylenes, Total                  | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 10:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 127 |          | 11/06/24 10:43 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/06/24 10:43 | 1       |
| Toluene-d8 (Surr)            | 112       |           | 80 - 125 |          | 11/06/24 10:43 | 1       |
| Dibromofluoromethane (Surr)  | 91        |           | 77 - 120 |          | 11/06/24 10:43 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-2D-202410

Lab Sample ID: 500-259162-20

Date Collected: 10/25/24 11:51

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 11:03 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 11:03 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 11:03 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 11:03 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 11/06/24 11:03 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 11:03 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 11:03 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 11:03 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:03 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-2D-202410

Lab Sample ID: 500-259162-20

Date Collected: 10/25/24 11:51

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 11:03 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Naphthalene               | <0.99      |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 11:03 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 11:03 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 11:03 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 11:03 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 11:03 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 11:03 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 11:03 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 11:03 | 1       |
| <b>Tetrachloroethene</b>  | <b>7.2</b> |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 11:03 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 11:03 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Trichloroethene           | <0.30      |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 11:03 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 11:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 127 |          | 11/06/24 11:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/06/24 11:03 | 1       |
| Toluene-d8 (Surr)            | 111       |           | 80 - 125 |          | 11/06/24 11:03 | 1       |
| Dibromofluoromethane (Surr)  | 91        |           | 77 - 120 |          | 11/06/24 11:03 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03D-202410

Lab Sample ID: 500-259162-21

Date Collected: 10/24/24 14:17

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1,1-Trichloroethane                 | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1,2,2-Tetrachloroethane             | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <3.6   |           | 15  | 3.6  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1,2-Trichloroethane                 | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1-Dichloroethane                    | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1-Dichloroethene                    | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,1-Dichloropropene                   | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2,3-Trichlorobenzene                | <6.0   |           | 20  | 6.0  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2,3-Trichloropropane                | <1.4   |           | 13  | 1.4  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2,4-Trichlorobenzene                | <2.9   |           | 5.0 | 2.9  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2,4-Trimethylbenzene                | <0.75  |           | 5.0 | 0.75 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <2.1   |           | 25  | 2.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2-Dibromoethane                     | <0.92  |           | 5.0 | 0.92 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2-Dichlorobenzene                   | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2-Dichloroethane                    | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,2-Dichloropropane                   | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,3,5-Trimethylbenzene                | <0.61  |           | 5.0 | 0.61 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,3-Dichlorobenzene                   | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,3-Dichloropropane                   | <0.87  |           | 5.0 | 0.87 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 1,4-Dichlorobenzene                   | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 2,2-Dichloropropane                   | <0.84  |           | 5.0 | 0.84 | ug/L |   |          | 11/06/24 12:26 | 5       |
| 2-Butanone (MEK)                      | <23    |           | 50  | 23   | ug/L |   |          | 11/06/24 12:26 | 5       |
| 2-Chlorotoluene                       | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 2-Hexanone                            | <4.1   |           | 25  | 4.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 4-Chlorotoluene                       | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <4.9   |           | 25  | 4.9  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Acetone                               | <33    |           | 75  | 33   | ug/L |   |          | 11/06/24 12:26 | 5       |
| Benzene                               | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Bromobenzene                          | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Bromochloromethane                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Bromodichloromethane                  | <0.94  |           | 5.0 | 0.94 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Bromoform                             | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Bromomethane                          | <12    |           | 25  | 12   | ug/L |   |          | 11/06/24 12:26 | 5       |
| Carbon disulfide                      | <1.3   |           | 10  | 1.3  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Carbon tetrachloride                  | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Chlorobenzene                         | <0.46  |           | 5.0 | 0.46 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Chloroethane                          | <3.2   |           | 10  | 3.2  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Chloroform                            | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Chloromethane                         | <1.1   | ^c        | 10  | 1.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| cis-1,2-Dichloroethene                | 11     |           | 5.0 | 1.6  | ug/L |   |          | 11/06/24 12:26 | 5       |
| cis-1,3-Dichloropropene               | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Dibromochloromethane                  | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Dibromomethane                        | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Dichlorodifluoromethane               | <1.5   | ^c        | 10  | 1.5  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Diisopropyl ether                     | <5.5   |           | 50  | 5.5  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Ethylbenzene                          | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Hexachlorobutadiene                   | <2.6   |           | 10  | 2.6  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Isopropylbenzene                      | <0.79  |           | 5.0 | 0.79 | ug/L |   |          | 11/06/24 12:26 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03D-202410

Lab Sample ID: 500-259162-21

Date Collected: 10/24/24 14:17

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <1.3       |           | 25  | 1.3  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Methylene Chloride        | <4.7       |           | 10  | 4.7  | ug/L |   |          | 11/06/24 12:26 | 5       |
| m-Xylene & p-Xylene       | <1.8       |           | 10  | 1.8  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Naphthalene               | <5.0       |           | 15  | 5.0  | ug/L |   |          | 11/06/24 12:26 | 5       |
| n-Butylbenzene            | <1.2       |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 12:26 | 5       |
| n-Hexane                  | <0.82      |           | 10  | 0.82 | ug/L |   |          | 11/06/24 12:26 | 5       |
| N-Propylbenzene           | <0.92      |           | 5.0 | 0.92 | ug/L |   |          | 11/06/24 12:26 | 5       |
| o-Xylene                  | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/06/24 12:26 | 5       |
| p-Isopropyltoluene        | <0.93      |           | 5.0 | 0.93 | ug/L |   |          | 11/06/24 12:26 | 5       |
| sec-Butylbenzene          | <1.0       |           | 5.0 | 1.0  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Styrene                   | <0.63      |           | 5.0 | 0.63 | ug/L |   |          | 11/06/24 12:26 | 5       |
| tert-Butylbenzene         | <0.89      |           | 5.0 | 0.89 | ug/L |   |          | 11/06/24 12:26 | 5       |
| <b>Tetrachloroethene</b>  | <b>340</b> |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Tetrahydrofuran           | <4.2       |           | 35  | 4.2  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Toluene                   | <1.6       |           | 5.0 | 1.6  | ug/L |   |          | 11/06/24 12:26 | 5       |
| trans-1,2-Dichloroethene  | <1.8       |           | 5.0 | 1.8  | ug/L |   |          | 11/06/24 12:26 | 5       |
| trans-1,3-Dichloropropene | <0.72      |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:26 | 5       |
| <b>Trichloroethene</b>    | <b>15</b>  |           | 5.0 | 1.5  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Trichlorofluoromethane    | <0.99      |           | 10  | 0.99 | ug/L |   |          | 11/06/24 12:26 | 5       |
| Vinyl chloride            | <1.1       |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:26 | 5       |
| Xylenes, Total            | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/06/24 12:26 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 127 |          | 11/06/24 12:26 | 5       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 78 - 120 |          | 11/06/24 12:26 | 5       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 11/06/24 12:26 | 5       |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/06/24 12:26 | 5       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03D2-202410

Lab Sample ID: 500-259162-22

Date Collected: 10/24/24 15:16

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 11:23 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 11:23 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 11:23 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 11:23 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 11/06/24 11:23 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 11:23 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 11:23 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 11:23 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:23 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03D2-202410

Lab Sample ID: 500-259162-22

Date Collected: 10/24/24 15:16

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result        | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25         |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Methylene Chloride        | <0.94         |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 11:23 | 1       |
| m-Xylene & p-Xylene       | <0.36         |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Naphthalene               | <0.99         |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 11:23 | 1       |
| n-Butylbenzene            | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 11:23 | 1       |
| n-Hexane                  | <0.16         |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 11:23 | 1       |
| N-Propylbenzene           | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 11:23 | 1       |
| o-Xylene                  | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 11:23 | 1       |
| p-Isopropyltoluene        | <0.19         |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 11:23 | 1       |
| sec-Butylbenzene          | <0.20         |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Styrene                   | <0.13         |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 11:23 | 1       |
| tert-Butylbenzene         | <0.18         |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 11:23 | 1       |
| <b>Tetrachloroethene</b>  | <b>62</b>     |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Tetrahydrofuran           | <0.84         |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Toluene                   | <0.32         |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 11:23 | 1       |
| trans-1,2-Dichloroethene  | <0.37         |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 11:23 | 1       |
| trans-1,3-Dichloropropene | <0.14         |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 11:23 | 1       |
| <b>Trichloroethene</b>    | <b>0.77 J</b> |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Trichlorofluoromethane    | <0.20         |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Vinyl chloride            | <0.23         |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 11:23 | 1       |
| Xylenes, Total            | <0.11         |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 11:23 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 127 |          | 11/06/24 11:23 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 11/06/24 11:23 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 80 - 125 |          | 11/06/24 11:23 | 1       |
| Dibromofluoromethane (Surr)  | 92        |           | 77 - 120 |          | 11/06/24 11:23 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03D3-202410

Lab Sample ID: 500-259162-23

Date Collected: 10/24/24 14:05

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 08:44 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 08:44 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 08:44 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 08:44 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 11/06/24 08:44 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 08:44 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 08:44 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 08:44 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 08:44 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03D3-202410

Lab Sample ID: 500-259162-23

Date Collected: 10/24/24 14:05

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25  |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Methylene Chloride        | <0.94  |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 08:44 | 1       |
| m-Xylene & p-Xylene       | <0.36  |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Naphthalene               | <0.99  |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 08:44 | 1       |
| n-Butylbenzene            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 08:44 | 1       |
| n-Hexane                  | <0.16  |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 08:44 | 1       |
| N-Propylbenzene           | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 08:44 | 1       |
| o-Xylene                  | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 08:44 | 1       |
| p-Isopropyltoluene        | <0.19  |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 08:44 | 1       |
| sec-Butylbenzene          | <0.20  |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Styrene                   | <0.13  |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 08:44 | 1       |
| tert-Butylbenzene         | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Tetrachloroethene         | <0.40  |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Tetrahydrofuran           | <0.84  |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Toluene                   | <0.32  |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 08:44 | 1       |
| trans-1,2-Dichloroethene  | <0.37  |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 08:44 | 1       |
| trans-1,3-Dichloropropene | <0.14  |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Trichloroethene           | <0.30  |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Trichlorofluoromethane    | <0.20  |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Vinyl chloride            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 08:44 | 1       |
| Xylenes, Total            | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 08:44 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 127 |          | 11/06/24 08:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/06/24 08:44 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 80 - 125 |          | 11/06/24 08:44 | 1       |
| Dibromofluoromethane (Surr)  | 93        |           | 77 - 120 |          | 11/06/24 08:44 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03S-202410

Lab Sample ID: 500-259162-24

Date Collected: 10/24/24 14:59

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1,1-Trichloroethane                 | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1,2,2-Tetrachloroethane             | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <3.6   |           | 15  | 3.6  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1,2-Trichloroethane                 | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1-Dichloroethane                    | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1-Dichloroethene                    | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,1-Dichloropropene                   | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2,3-Trichlorobenzene                | <6.0   |           | 20  | 6.0  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2,3-Trichloropropane                | <1.4   |           | 13  | 1.4  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2,4-Trichlorobenzene                | <2.9   |           | 5.0 | 2.9  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2,4-Trimethylbenzene                | <0.75  |           | 5.0 | 0.75 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <2.1   |           | 25  | 2.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2-Dibromoethane                     | <0.92  |           | 5.0 | 0.92 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2-Dichlorobenzene                   | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2-Dichloroethane                    | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,2-Dichloropropane                   | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,3,5-Trimethylbenzene                | <0.61  |           | 5.0 | 0.61 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,3-Dichlorobenzene                   | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,3-Dichloropropane                   | <0.87  |           | 5.0 | 0.87 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 1,4-Dichlorobenzene                   | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 2,2-Dichloropropane                   | <0.84  |           | 5.0 | 0.84 | ug/L |   |          | 11/06/24 12:48 | 5       |
| 2-Butanone (MEK)                      | <23    |           | 50  | 23   | ug/L |   |          | 11/06/24 12:48 | 5       |
| 2-Chlorotoluene                       | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 2-Hexanone                            | <4.1   |           | 25  | 4.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 4-Chlorotoluene                       | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <4.9   |           | 25  | 4.9  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Acetone                               | <33    |           | 75  | 33   | ug/L |   |          | 11/06/24 12:48 | 5       |
| Benzene                               | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Bromobenzene                          | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Bromochloromethane                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Bromodichloromethane                  | <0.94  |           | 5.0 | 0.94 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Bromoform                             | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Bromomethane                          | <12    |           | 25  | 12   | ug/L |   |          | 11/06/24 12:48 | 5       |
| Carbon disulfide                      | <1.3   |           | 10  | 1.3  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Carbon tetrachloride                  | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Chlorobenzene                         | <0.46  |           | 5.0 | 0.46 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Chloroethane                          | <3.2   |           | 10  | 3.2  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Chloroform                            | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Chloromethane                         | <1.1   | ^c        | 10  | 1.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| cis-1,2-Dichloroethene                | 8.7    |           | 5.0 | 1.6  | ug/L |   |          | 11/06/24 12:48 | 5       |
| cis-1,3-Dichloropropene               | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Dibromochloromethane                  | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Dibromomethane                        | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Dichlorodifluoromethane               | <1.5   | ^c        | 10  | 1.5  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Diisopropyl ether                     | <5.5   |           | 50  | 5.5  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Ethylbenzene                          | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Hexachlorobutadiene                   | <2.6   |           | 10  | 2.6  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Isopropylbenzene                      | <0.79  |           | 5.0 | 0.79 | ug/L |   |          | 11/06/24 12:48 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-03S-202410

Lab Sample ID: 500-259162-24

Date Collected: 10/24/24 14:59

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <1.3       |           | 25  | 1.3  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Methylene Chloride        | <4.7       |           | 10  | 4.7  | ug/L |   |          | 11/06/24 12:48 | 5       |
| m-Xylene & p-Xylene       | <1.8       |           | 10  | 1.8  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Naphthalene               | <5.0       |           | 15  | 5.0  | ug/L |   |          | 11/06/24 12:48 | 5       |
| n-Butylbenzene            | <1.2       |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 12:48 | 5       |
| n-Hexane                  | <0.82      |           | 10  | 0.82 | ug/L |   |          | 11/06/24 12:48 | 5       |
| N-Propylbenzene           | <0.92      |           | 5.0 | 0.92 | ug/L |   |          | 11/06/24 12:48 | 5       |
| o-Xylene                  | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/06/24 12:48 | 5       |
| p-Isopropyltoluene        | <0.93      |           | 5.0 | 0.93 | ug/L |   |          | 11/06/24 12:48 | 5       |
| sec-Butylbenzene          | <1.0       |           | 5.0 | 1.0  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Styrene                   | <0.63      |           | 5.0 | 0.63 | ug/L |   |          | 11/06/24 12:48 | 5       |
| tert-Butylbenzene         | <0.89      |           | 5.0 | 0.89 | ug/L |   |          | 11/06/24 12:48 | 5       |
| <b>Tetrachloroethene</b>  | <b>360</b> |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Tetrahydrofuran           | <4.2       |           | 35  | 4.2  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Toluene                   | <1.6       |           | 5.0 | 1.6  | ug/L |   |          | 11/06/24 12:48 | 5       |
| trans-1,2-Dichloroethene  | <1.8       |           | 5.0 | 1.8  | ug/L |   |          | 11/06/24 12:48 | 5       |
| trans-1,3-Dichloropropene | <0.72      |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 12:48 | 5       |
| <b>Trichloroethene</b>    | <b>27</b>  |           | 5.0 | 1.5  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Trichlorofluoromethane    | <0.99      |           | 10  | 0.99 | ug/L |   |          | 11/06/24 12:48 | 5       |
| Vinyl chloride            | <1.1       |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 12:48 | 5       |
| Xylenes, Total            | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/06/24 12:48 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 127 |          | 11/06/24 12:48 | 5       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 78 - 120 |          | 11/06/24 12:48 | 5       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 125 |          | 11/06/24 12:48 | 5       |
| Dibromofluoromethane (Surr)  | 91        |           | 77 - 120 |          | 11/06/24 12:48 | 5       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-04D2-202410

Lab Sample ID: 500-259162-25

Date Collected: 10/24/24 17:06

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 11:43 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 11:43 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 11:43 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 11:43 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 11/06/24 11:43 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 11:43 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 11:43 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 11:43 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 11:43 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-04D2-202410

Lab Sample ID: 500-259162-25

Date Collected: 10/24/24 17:06

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25  |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Methylene Chloride        | <0.94  |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 11:43 | 1       |
| m-Xylene & p-Xylene       | <0.36  |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Naphthalene               | <0.99  |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 11:43 | 1       |
| n-Butylbenzene            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 11:43 | 1       |
| n-Hexane                  | <0.16  |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 11:43 | 1       |
| N-Propylbenzene           | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 11:43 | 1       |
| o-Xylene                  | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 11:43 | 1       |
| p-Isopropyltoluene        | <0.19  |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 11:43 | 1       |
| sec-Butylbenzene          | <0.20  |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Styrene                   | <0.13  |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 11:43 | 1       |
| tert-Butylbenzene         | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Tetrachloroethene         | <0.40  |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Tetrahydrofuran           | <0.84  |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Toluene                   | <0.32  |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 11:43 | 1       |
| trans-1,2-Dichloroethene  | <0.37  |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 11:43 | 1       |
| trans-1,3-Dichloropropene | <0.14  |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Trichloroethene           | <0.30  |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Trichlorofluoromethane    | <0.20  |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Vinyl chloride            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 11:43 | 1       |
| Xylenes, Total            | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 11:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 127 |          | 11/06/24 11:43 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 78 - 120 |          | 11/06/24 11:43 | 1       |
| Toluene-d8 (Surr)            | 111       |           | 80 - 125 |          | 11/06/24 11:43 | 1       |
| Dibromofluoromethane (Surr)  | 94        |           | 77 - 120 |          | 11/06/24 11:43 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05D-202410

Lab Sample ID: 500-259162-26

Date Collected: 10/24/24 11:19

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1,1-Trichloroethane                 | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1,2,2-Tetrachloroethane             | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <1.5   |           | 6.0 | 1.5  | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1,2-Trichloroethane                 | <0.54  |           | 2.0 | 0.54 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1-Dichloroethane                    | <0.44  |           | 2.0 | 0.44 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1-Dichloroethene                    | <0.46  |           | 2.0 | 0.46 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,1-Dichloropropene                   | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2,3-Trichlorobenzene                | <2.4   |           | 8.0 | 2.4  | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2,3-Trichloropropane                | <0.55  |           | 5.0 | 0.55 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2,4-Trichlorobenzene                | <1.2   |           | 2.0 | 1.2  | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2,4-Trimethylbenzene                | <0.30  |           | 2.0 | 0.30 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2-Dibromo-3-Chloropropane           | <0.85  |           | 10  | 0.85 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2-Dibromoethane                     | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2-Dichlorobenzene                   | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2-Dichloroethane                    | <0.56  |           | 2.0 | 0.56 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,2-Dichloropropane                   | <0.49  |           | 2.0 | 0.49 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,3,5-Trimethylbenzene                | <0.24  |           | 2.0 | 0.24 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,3-Dichlorobenzene                   | <0.67  |           | 2.0 | 0.67 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,3-Dichloropropane                   | <0.35  |           | 2.0 | 0.35 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 1,4-Dichlorobenzene                   | <0.78  |           | 2.0 | 0.78 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 2,2-Dichloropropane                   | <0.34  |           | 2.0 | 0.34 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 2-Butanone (MEK)                      | <9.2   |           | 20  | 9.2  | ug/L |   |          | 11/06/24 13:10 | 2       |
| 2-Chlorotoluene                       | <0.68  |           | 2.0 | 0.68 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 2-Hexanone                            | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/06/24 13:10 | 2       |
| 4-Chlorotoluene                       | <0.42  |           | 2.0 | 0.42 | ug/L |   |          | 11/06/24 13:10 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | <2.0   |           | 10  | 2.0  | ug/L |   |          | 11/06/24 13:10 | 2       |
| Acetone                               | <13    |           | 30  | 13   | ug/L |   |          | 11/06/24 13:10 | 2       |
| Benzene                               | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Bromobenzene                          | <0.38  |           | 2.0 | 0.38 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Bromochloromethane                    | <0.81  |           | 2.0 | 0.81 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Bromodichloromethane                  | <0.37  |           | 2.0 | 0.37 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Bromoform                             | <0.49  |           | 4.0 | 0.49 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Bromomethane                          | <4.7   |           | 10  | 4.7  | ug/L |   |          | 11/06/24 13:10 | 2       |
| Carbon disulfide                      | <0.51  |           | 4.0 | 0.51 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Carbon tetrachloride                  | <0.45  |           | 2.0 | 0.45 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Chlorobenzene                         | <0.18  |           | 2.0 | 0.18 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Chloroethane                          | <1.3   |           | 4.0 | 1.3  | ug/L |   |          | 11/06/24 13:10 | 2       |
| Chloroform                            | <0.72  |           | 2.0 | 0.72 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Chloromethane                         | <0.45  | ^c        | 4.0 | 0.45 | ug/L |   |          | 11/06/24 13:10 | 2       |
| cis-1,2-Dichloroethene                | 1.9    | J         | 2.0 | 0.64 | ug/L |   |          | 11/06/24 13:10 | 2       |
| cis-1,3-Dichloropropene               | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Dibromochloromethane                  | <0.55  |           | 2.0 | 0.55 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Dibromomethane                        | <0.69  |           | 2.0 | 0.69 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Dichlorodifluoromethane               | <0.60  | ^c        | 4.0 | 0.60 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Diisopropyl ether                     | <2.2   |           | 20  | 2.2  | ug/L |   |          | 11/06/24 13:10 | 2       |
| Ethylbenzene                          | <0.29  |           | 2.0 | 0.29 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Hexachlorobutadiene                   | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/06/24 13:10 | 2       |
| Isopropylbenzene                      | <0.31  |           | 2.0 | 0.31 | ug/L |   |          | 11/06/24 13:10 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05D-202410

Lab Sample ID: 500-259162-26

Date Collected: 10/24/24 11:19

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.50      |           | 10  | 0.50 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Methylene Chloride        | <1.9       |           | 4.0 | 1.9  | ug/L |   |          | 11/06/24 13:10 | 2       |
| m-Xylene & p-Xylene       | <0.71      |           | 4.0 | 0.71 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Naphthalene               | <2.0       |           | 6.0 | 2.0  | ug/L |   |          | 11/06/24 13:10 | 2       |
| n-Butylbenzene            | <0.47      |           | 2.0 | 0.47 | ug/L |   |          | 11/06/24 13:10 | 2       |
| n-Hexane                  | <0.33      |           | 4.0 | 0.33 | ug/L |   |          | 11/06/24 13:10 | 2       |
| N-Propylbenzene           | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/06/24 13:10 | 2       |
| o-Xylene                  | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/06/24 13:10 | 2       |
| p-Isopropyltoluene        | <0.37      |           | 2.0 | 0.37 | ug/L |   |          | 11/06/24 13:10 | 2       |
| sec-Butylbenzene          | <0.41      |           | 2.0 | 0.41 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Styrene                   | <0.25      |           | 2.0 | 0.25 | ug/L |   |          | 11/06/24 13:10 | 2       |
| tert-Butylbenzene         | <0.35      |           | 2.0 | 0.35 | ug/L |   |          | 11/06/24 13:10 | 2       |
| <b>Tetrachloroethene</b>  | <b>280</b> |           | 2.0 | 0.81 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Tetrahydrofuran           | <1.7       |           | 14  | 1.7  | ug/L |   |          | 11/06/24 13:10 | 2       |
| Toluene                   | <0.64      |           | 2.0 | 0.64 | ug/L |   |          | 11/06/24 13:10 | 2       |
| trans-1,2-Dichloroethene  | <0.74      |           | 2.0 | 0.74 | ug/L |   |          | 11/06/24 13:10 | 2       |
| trans-1,3-Dichloropropene | <0.29      |           | 2.0 | 0.29 | ug/L |   |          | 11/06/24 13:10 | 2       |
| <b>Trichloroethene</b>    | <b>3.5</b> |           | 2.0 | 0.60 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Trichlorofluoromethane    | <0.40      |           | 4.0 | 0.40 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Vinyl chloride            | <0.45      |           | 2.0 | 0.45 | ug/L |   |          | 11/06/24 13:10 | 2       |
| Xylenes, Total            | <0.23      |           | 2.0 | 0.23 | ug/L |   |          | 11/06/24 13:10 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 127 |          | 11/06/24 13:10 | 2       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 78 - 120 |          | 11/06/24 13:10 | 2       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 125 |          | 11/06/24 13:10 | 2       |
| Dibromofluoromethane (Surr)  | 92        |           | 77 - 120 |          | 11/06/24 13:10 | 2       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05D2-202410

Lab Sample ID: 500-259162-27

Date Collected: 10/24/24 12:18

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <7.8   |           | 50  | 7.8 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1,1-Trichloroethane                 | <20    |           | 50  | 20  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1,2,2-Tetrachloroethane             | <11    |           | 50  | 11  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <36    |           | 150 | 36  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1,2-Trichloroethane                 | <14    |           | 50  | 14  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1-Dichloroethane                    | <11    |           | 50  | 11  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1-Dichloroethene                    | <12    |           | 50  | 12  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,1-Dichloropropene                   | <9.5   |           | 50  | 9.5 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2,3-Trichlorobenzene                | <60    |           | 200 | 60  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2,3-Trichloropropane                | <14    |           | 130 | 14  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2,4-Trichlorobenzene                | <29    |           | 50  | 29  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2,4-Trimethylbenzene                | <7.5   |           | 50  | 7.5 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2-Dibromo-3-Chloropropane           | <21    |           | 250 | 21  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2-Dibromoethane                     | <9.2   |           | 50  | 9.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2-Dichlorobenzene                   | <7.2   |           | 50  | 7.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2-Dichloroethane                    | <14    |           | 50  | 14  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,2-Dichloropropane                   | <12    |           | 50  | 12  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,3,5-Trimethylbenzene                | <6.1   |           | 50  | 6.1 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,3-Dichlorobenzene                   | <17    |           | 50  | 17  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,3-Dichloropropane                   | <8.7   |           | 50  | 8.7 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 1,4-Dichlorobenzene                   | <19    |           | 50  | 19  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 2,2-Dichloropropane                   | <8.4   |           | 50  | 8.4 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 2-Butanone (MEK)                      | <230   |           | 500 | 230 | ug/L |   |          | 11/06/24 13:33 | 50      |
| 2-Chlorotoluene                       | <17    |           | 50  | 17  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 2-Hexanone                            | <41    |           | 250 | 41  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 4-Chlorotoluene                       | <11    |           | 50  | 11  | ug/L |   |          | 11/06/24 13:33 | 50      |
| 4-Methyl-2-pentanone (MIBK)           | <49    |           | 250 | 49  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Acetone                               | <330   |           | 750 | 330 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Benzene                               | <7.2   |           | 50  | 7.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Bromobenzene                          | <9.5   |           | 50  | 9.5 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Bromochloromethane                    | <20    |           | 50  | 20  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Bromodichloromethane                  | <9.4   |           | 50  | 9.4 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Bromoform                             | <12    |           | 100 | 12  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Bromomethane                          | <120   |           | 250 | 120 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Carbon disulfide                      | <13    |           | 100 | 13  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Carbon tetrachloride                  | <11    |           | 50  | 11  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Chlorobenzene                         | <4.6   |           | 50  | 4.6 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Chloroethane                          | <32    |           | 100 | 32  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Chloroform                            | <18    |           | 50  | 18  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Chloromethane                         | <11    | ^c        | 100 | 11  | ug/L |   |          | 11/06/24 13:33 | 50      |
| cis-1,2-Dichloroethene                | 29     | J         | 50  | 16  | ug/L |   |          | 11/06/24 13:33 | 50      |
| cis-1,3-Dichloropropene               | <7.8   |           | 50  | 7.8 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Dibromochloromethane                  | <14    |           | 50  | 14  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Dibromomethane                        | <17    |           | 50  | 17  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Dichlorodifluoromethane               | <15    | ^c        | 100 | 15  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Diisopropyl ether                     | <55    |           | 500 | 55  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Ethylbenzene                          | <7.2   |           | 50  | 7.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Hexachlorobutadiene                   | <26    |           | 100 | 26  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Isopropylbenzene                      | <7.9   |           | 50  | 7.9 | ug/L |   |          | 11/06/24 13:33 | 50      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05D2-202410

Lab Sample ID: 500-259162-27

Date Collected: 10/24/24 12:18

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <13         |           | 250 | 13  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Methylene Chloride        | <47         |           | 100 | 47  | ug/L |   |          | 11/06/24 13:33 | 50      |
| m-Xylene & p-Xylene       | <18         |           | 100 | 18  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Naphthalene               | <50         |           | 150 | 50  | ug/L |   |          | 11/06/24 13:33 | 50      |
| n-Butylbenzene            | <12         |           | 50  | 12  | ug/L |   |          | 11/06/24 13:33 | 50      |
| n-Hexane                  | <8.2        |           | 100 | 8.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| N-Propylbenzene           | <9.2        |           | 50  | 9.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| o-Xylene                  | <5.7        |           | 50  | 5.7 | ug/L |   |          | 11/06/24 13:33 | 50      |
| p-Isopropyltoluene        | <9.3        |           | 50  | 9.3 | ug/L |   |          | 11/06/24 13:33 | 50      |
| sec-Butylbenzene          | <10         |           | 50  | 10  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Styrene                   | <6.3        |           | 50  | 6.3 | ug/L |   |          | 11/06/24 13:33 | 50      |
| tert-Butylbenzene         | <8.9        |           | 50  | 8.9 | ug/L |   |          | 11/06/24 13:33 | 50      |
| <b>Tetrachloroethene</b>  | <b>5900</b> |           | 50  | 20  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Tetrahydrofuran           | <42         |           | 350 | 42  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Toluene                   | <16         |           | 50  | 16  | ug/L |   |          | 11/06/24 13:33 | 50      |
| trans-1,2-Dichloroethene  | <18         |           | 50  | 18  | ug/L |   |          | 11/06/24 13:33 | 50      |
| trans-1,3-Dichloropropene | <7.2        |           | 50  | 7.2 | ug/L |   |          | 11/06/24 13:33 | 50      |
| <b>Trichloroethene</b>    | <b>72</b>   |           | 50  | 15  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Trichlorofluoromethane    | <9.9        |           | 100 | 9.9 | ug/L |   |          | 11/06/24 13:33 | 50      |
| Vinyl chloride            | <11         |           | 50  | 11  | ug/L |   |          | 11/06/24 13:33 | 50      |
| Xylenes, Total            | <5.7        |           | 50  | 5.7 | ug/L |   |          | 11/06/24 13:33 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 127 |          | 11/06/24 13:33 | 50      |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/06/24 13:33 | 50      |
| Toluene-d8 (Surr)            | 112       |           | 80 - 125 |          | 11/06/24 13:33 | 50      |
| Dibromofluoromethane (Surr)  | 92        |           | 77 - 120 |          | 11/06/24 13:33 | 50      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05D3-202410

Lab Sample ID: 500-259162-28

Date Collected: 10/24/24 09:49

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 09:04 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 09:04 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 09:04 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 09:04 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Chloromethane                         | <0.23  | ^c        | 2.0 | 0.23  | ug/L |   |          | 11/06/24 09:04 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 09:04 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 09:04 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 09:04 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 09:04 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05D3-202410

Lab Sample ID: 500-259162-28

Date Collected: 10/24/24 09:49

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25  |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Methylene Chloride        | <0.94  |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 09:04 | 1       |
| m-Xylene & p-Xylene       | <0.36  |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Naphthalene               | <0.99  |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 09:04 | 1       |
| n-Butylbenzene            | <0.23  | F2        | 1.0 | 0.23 | ug/L |   |          | 11/06/24 09:04 | 1       |
| n-Hexane                  | <0.16  |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 09:04 | 1       |
| N-Propylbenzene           | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 09:04 | 1       |
| o-Xylene                  | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 09:04 | 1       |
| p-Isopropyltoluene        | <0.19  |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 09:04 | 1       |
| sec-Butylbenzene          | <0.20  |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Styrene                   | <0.13  |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 09:04 | 1       |
| tert-Butylbenzene         | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Tetrachloroethene         | <0.40  |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Tetrahydrofuran           | <0.84  |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Toluene                   | <0.32  |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 09:04 | 1       |
| trans-1,2-Dichloroethene  | <0.37  |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 09:04 | 1       |
| trans-1,3-Dichloropropene | <0.14  |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Trichloroethene           | <0.30  |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Trichlorofluoromethane    | <0.20  |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Vinyl chloride            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 09:04 | 1       |
| Xylenes, Total            | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 09:04 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 127 |          | 11/06/24 09:04 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 11/06/24 09:04 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 80 - 125 |          | 11/06/24 09:04 | 1       |
| Dibromofluoromethane (Surr)  | 95        |           | 77 - 120 |          | 11/06/24 09:04 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05S-202410

Lab Sample ID: 500-259162-29

Date Collected: 10/24/24 10:02

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result   | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|----------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16    |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1,1-Trichloroethane                 | <0.39    |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21    |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73    |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1,2-Trichloroethane                 | <0.27    |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1-Dichloroethane                    | <0.22    |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1-Dichloroethene                    | <0.23    |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,1-Dichloropropene                   | <0.19    |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2     |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2,3-Trichloropropane                | <0.28    |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58    |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15    |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42    |           | 5.0 | 0.42  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2-Dibromoethane                     | <0.18    |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2-Dichlorobenzene                   | <0.14    |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2-Dichloroethane                    | <0.28    |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,2-Dichloropropane                   | <0.24    |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12    |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,3-Dichlorobenzene                   | <0.33    |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,3-Dichloropropane                   | <0.17    |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 1,4-Dichlorobenzene                   | <0.39    |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 2,2-Dichloropropane                   | <0.17    |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 2-Butanone (MEK)                      | <4.6     |           | 10  | 4.6   | ug/L |   |          | 11/06/24 12:03 | 1       |
| 2-Chlorotoluene                       | <0.34    |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 2-Hexanone                            | <0.81    |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 4-Chlorotoluene                       | <0.21    |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 12:03 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98    |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Acetone                               | <6.6     |           | 15  | 6.6   | ug/L |   |          | 11/06/24 12:03 | 1       |
| Benzene                               | <0.14    |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Bromobenzene                          | <0.19    |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Bromochloromethane                    | <0.40    |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Bromodichloromethane                  | <0.19    |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Bromoform                             | <0.25    |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Bromomethane                          | <2.4     |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 12:03 | 1       |
| Carbon disulfide                      | <0.26    |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Carbon tetrachloride                  | 1.1      |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Chlorobenzene                         | <0.092   |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Chloroethane                          | <0.64    |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Chloroform                            | 1.3      |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Chloromethane                         | <0.23 ^c |           | 2.0 | 0.23  | ug/L |   |          | 11/06/24 12:03 | 1       |
| cis-1,2-Dichloroethene                | 0.79 J   |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 12:03 | 1       |
| cis-1,3-Dichloropropene               | <0.16    |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Dibromochloromethane                  | <0.28    |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Dibromomethane                        | <0.34    |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Dichlorodifluoromethane               | <0.30 ^c |           | 2.0 | 0.30  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Diisopropyl ether                     | <1.1     |           | 10  | 1.1   | ug/L |   |          | 11/06/24 12:03 | 1       |
| Ethylbenzene                          | <0.14    |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Hexachlorobutadiene                   | <0.53    |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 12:03 | 1       |
| Isopropylbenzene                      | <0.16    |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 12:03 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-05S-202410

Lab Sample ID: 500-259162-29

Date Collected: 10/24/24 10:02

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result    | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25     |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Methylene Chloride        | <0.94     |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 12:03 | 1       |
| m-Xylene & p-Xylene       | <0.36     |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Naphthalene               | <0.99     |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 12:03 | 1       |
| n-Butylbenzene            | <0.23     |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 12:03 | 1       |
| n-Hexane                  | <0.16     |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 12:03 | 1       |
| N-Propylbenzene           | <0.18     |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 12:03 | 1       |
| o-Xylene                  | <0.11     |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 12:03 | 1       |
| p-Isopropyltoluene        | <0.19     |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 12:03 | 1       |
| sec-Butylbenzene          | <0.20     |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Styrene                   | <0.13     |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 12:03 | 1       |
| tert-Butylbenzene         | <0.18     |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 12:03 | 1       |
| <b>Tetrachloroethene</b>  | <b>33</b> |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Tetrahydrofuran           | <0.84     |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Toluene                   | <0.32     |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 12:03 | 1       |
| trans-1,2-Dichloroethene  | <0.37     |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 12:03 | 1       |
| trans-1,3-Dichloropropene | <0.14     |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Trichloroethene           | <0.30     |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Trichlorofluoromethane    | <0.20     |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Vinyl chloride            | <0.23     |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 12:03 | 1       |
| Xylenes, Total            | <0.11     |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 12:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 127 |          | 11/06/24 12:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 78 - 120 |          | 11/06/24 12:03 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 80 - 125 |          | 11/06/24 12:03 | 1       |
| Dibromofluoromethane (Surr)  | 92        |           | 77 - 120 |          | 11/06/24 12:03 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-06D-202410

Lab Sample ID: 500-259162-30

Date Collected: 10/23/24 16:34

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.62  |           | 4.0 | 0.62 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1,1-Trichloroethane                 | <1.6   |           | 4.0 | 1.6  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1,2,2-Tetrachloroethane             | <0.84  |           | 4.0 | 0.84 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <2.9   |           | 12  | 2.9  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1,2-Trichloroethane                 | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1-Dichloroethane                    | <0.88  |           | 4.0 | 0.88 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1-Dichloroethene                    | <0.92  |           | 4.0 | 0.92 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,1-Dichloropropene                   | <0.76  |           | 4.0 | 0.76 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2,3-Trichlorobenzene                | <4.8 * |           | 16  | 4.8  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2,3-Trichloropropane                | <1.1   |           | 10  | 1.1  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2,4-Trichlorobenzene                | <2.3   |           | 4.0 | 2.3  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2,4-Trimethylbenzene                | 2.0 J  |           | 4.0 | 0.60 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2-Dibromo-3-Chloropropane           | <1.7   |           | 20  | 1.7  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2-Dibromoethane                     | <0.73  |           | 4.0 | 0.73 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2-Dichlorobenzene                   | <0.58  |           | 4.0 | 0.58 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2-Dichloroethane                    | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,2-Dichloropropane                   | <0.97  |           | 4.0 | 0.97 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,3,5-Trimethylbenzene                | <0.48  |           | 4.0 | 0.48 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,3-Dichlorobenzene                   | <1.3   |           | 4.0 | 1.3  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,3-Dichloropropane                   | <0.70  |           | 4.0 | 0.70 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 1,4-Dichlorobenzene                   | <1.6   |           | 4.0 | 1.6  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 2,2-Dichloropropane                   | <0.67  |           | 4.0 | 0.67 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 2-Butanone (MEK)                      | <18    |           | 40  | 18   | ug/L |   |          | 11/05/24 13:13 | 4       |
| 2-Chlorotoluene                       | <1.4   |           | 4.0 | 1.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 2-Hexanone                            | <3.2   |           | 20  | 3.2  | ug/L |   |          | 11/05/24 13:13 | 4       |
| 4-Chlorotoluene                       | <0.84  |           | 4.0 | 0.84 | ug/L |   |          | 11/05/24 13:13 | 4       |
| 4-Methyl-2-pentanone (MIBK)           | <3.9   |           | 20  | 3.9  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Acetone                               | <26    |           | 60  | 26   | ug/L |   |          | 11/05/24 13:13 | 4       |
| Benzene                               | 200    |           | 4.0 | 0.58 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Bromobenzene                          | <0.76  |           | 4.0 | 0.76 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Bromochloromethane                    | <1.6   |           | 4.0 | 1.6  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Bromodichloromethane                  | <0.75  |           | 4.0 | 0.75 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Bromoform                             | <0.98  |           | 8.0 | 0.98 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Bromomethane                          | <9.4   |           | 20  | 9.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Carbon disulfide                      | <1.0   |           | 8.0 | 1.0  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Carbon tetrachloride                  | <0.90  |           | 4.0 | 0.90 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Chlorobenzene                         | <0.37  |           | 4.0 | 0.37 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Chloroethane                          | <2.6   |           | 8.0 | 2.6  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Chloroform                            | <1.4   |           | 4.0 | 1.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Chloromethane                         | <0.91  |           | 8.0 | 0.91 | ug/L |   |          | 11/05/24 13:13 | 4       |
| cis-1,2-Dichloroethene                | 4.1    |           | 4.0 | 1.3  | ug/L |   |          | 11/05/24 13:13 | 4       |
| cis-1,3-Dichloropropene               | <0.62  |           | 4.0 | 0.62 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Dibromochloromethane                  | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Dibromomethane                        | <1.4   |           | 4.0 | 1.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Dichlorodifluoromethane               | <1.2   |           | 8.0 | 1.2  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Diisopropyl ether                     | <4.4   |           | 40  | 4.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Ethylbenzene                          | 12     |           | 4.0 | 0.58 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Hexachlorobutadiene                   | <2.1   |           | 8.0 | 2.1  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Isopropylbenzene                      | 16     |           | 4.0 | 0.63 | ug/L |   |          | 11/05/24 13:13 | 4       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-06D-202410

Lab Sample ID: 500-259162-30

Date Collected: 10/23/24 16:34

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                        | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether        | <1.0        |           | 20  | 1.0  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Methylene Chloride             | <3.8        |           | 8.0 | 3.8  | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>m-Xylene &amp; p-Xylene</b> | <b>4.2</b>  | <b>J</b>  | 8.0 | 1.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Naphthalene                    | <4.0        | *         | 12  | 4.0  | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>n-Butylbenzene</b>          | <b>1.6</b>  | <b>J</b>  | 4.0 | 0.93 | ug/L |   |          | 11/05/24 13:13 | 4       |
| n-Hexane                       | <0.65       |           | 8.0 | 0.65 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>N-Propylbenzene</b>         | <b>5.4</b>  |           | 4.0 | 0.74 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>o-Xylene</b>                | <b>0.68</b> | <b>J</b>  | 4.0 | 0.46 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>p-Isopropyltoluene</b>      | <b>1.2</b>  | <b>J</b>  | 4.0 | 0.74 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>sec-Butylbenzene</b>        | <b>4.1</b>  |           | 4.0 | 0.82 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>Styrene</b>                 | <b>0.84</b> | <b>J</b>  | 4.0 | 0.50 | ug/L |   |          | 11/05/24 13:13 | 4       |
| tert-Butylbenzene              | <0.71       |           | 4.0 | 0.71 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Tetrachloroethene              | <1.6        |           | 4.0 | 1.6  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Tetrahydrofuran                | <3.4        |           | 28  | 3.4  | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>Toluene</b>                 | <b>13</b>   |           | 4.0 | 1.3  | ug/L |   |          | 11/05/24 13:13 | 4       |
| trans-1,2-Dichloroethene       | <1.5        |           | 4.0 | 1.5  | ug/L |   |          | 11/05/24 13:13 | 4       |
| trans-1,3-Dichloropropene      | <0.57       |           | 4.0 | 0.57 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>Trichloroethene</b>         | <b>4.7</b>  |           | 4.0 | 1.2  | ug/L |   |          | 11/05/24 13:13 | 4       |
| Trichlorofluoromethane         | <0.79       |           | 8.0 | 0.79 | ug/L |   |          | 11/05/24 13:13 | 4       |
| Vinyl chloride                 | <0.90       |           | 4.0 | 0.90 | ug/L |   |          | 11/05/24 13:13 | 4       |
| <b>Xylenes, Total</b>          | <b>4.9</b>  |           | 4.0 | 0.46 | ug/L |   |          | 11/05/24 13:13 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 127 |          | 11/05/24 13:13 | 4       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 78 - 120 |          | 11/05/24 13:13 | 4       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 125 |          | 11/05/24 13:13 | 4       |
| Dibromofluoromethane (Surr)  | 100       |           | 77 - 120 |          | 11/05/24 13:13 | 4       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-06S-202410

Lab Sample ID: 500-259162-31

Date Collected: 10/23/24 15:45

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2 * |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 13:34 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 13:34 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 13:34 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 13:34 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 13:34 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 13:34 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 13:34 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 13:34 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 13:34 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-06S-202410

Lab Sample ID: 500-259162-31

Date Collected: 10/23/24 15:45

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result  | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25   |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Methylene Chloride        | <0.94   |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 13:34 | 1       |
| m-Xylene & p-Xylene       | <0.36   |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Naphthalene               | <0.99 * |           | 3.0 | 0.99 | ug/L |   |          | 11/05/24 13:34 | 1       |
| n-Butylbenzene            | <0.23   |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 13:34 | 1       |
| n-Hexane                  | <0.16   |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 13:34 | 1       |
| N-Propylbenzene           | <0.18   |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 13:34 | 1       |
| o-Xylene                  | <0.11   |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 13:34 | 1       |
| p-Isopropyltoluene        | <0.19   |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 13:34 | 1       |
| sec-Butylbenzene          | <0.20   |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Styrene                   | <0.13   |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 13:34 | 1       |
| tert-Butylbenzene         | <0.18   |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Tetrachloroethene         | <0.40   |           | 1.0 | 0.40 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Tetrahydrofuran           | <0.84   |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Toluene                   | <0.32   |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 13:34 | 1       |
| trans-1,2-Dichloroethene  | <0.37   |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 13:34 | 1       |
| trans-1,3-Dichloropropene | <0.14   |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Trichloroethene           | <0.30   |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Trichlorofluoromethane    | <0.20   |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Vinyl chloride            | <0.23   |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 13:34 | 1       |
| Xylenes, Total            | <0.11   |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 13:34 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 127 |          | 11/05/24 13:34 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 78 - 120 |          | 11/05/24 13:34 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 125 |          | 11/05/24 13:34 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 77 - 120 |          | 11/05/24 13:34 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-09D-202410

Lab Sample ID: 500-259162-32

Date Collected: 10/22/24 16:14

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  | ^c        | 5.0 | 0.42  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/04/24 17:32 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/04/24 17:32 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/04/24 17:32 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/04/24 17:32 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/04/24 17:32 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/04/24 17:32 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/04/24 17:32 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/04/24 17:32 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 17:32 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-09D-202410

Lab Sample ID: 500-259162-32

Date Collected: 10/22/24 16:14

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25  |           | 5.0 | 0.25 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Methylene Chloride        | <0.94  |           | 2.0 | 0.94 | ug/L |   |          | 11/04/24 17:32 | 1       |
| m-Xylene & p-Xylene       | <0.36  |           | 2.0 | 0.36 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Naphthalene               | <0.99  |           | 3.0 | 0.99 | ug/L |   |          | 11/04/24 17:32 | 1       |
| n-Butylbenzene            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/04/24 17:32 | 1       |
| n-Hexane                  | <0.16  |           | 2.0 | 0.16 | ug/L |   |          | 11/04/24 17:32 | 1       |
| N-Propylbenzene           | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/04/24 17:32 | 1       |
| o-Xylene                  | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/04/24 17:32 | 1       |
| p-Isopropyltoluene        | <0.19  |           | 1.0 | 0.19 | ug/L |   |          | 11/04/24 17:32 | 1       |
| sec-Butylbenzene          | <0.20  |           | 1.0 | 0.20 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Styrene                   | <0.13  |           | 1.0 | 0.13 | ug/L |   |          | 11/04/24 17:32 | 1       |
| tert-Butylbenzene         | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Tetrachloroethene         | <0.40  |           | 1.0 | 0.40 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Tetrahydrofuran           | <0.84  |           | 7.0 | 0.84 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Toluene                   | <0.32  |           | 1.0 | 0.32 | ug/L |   |          | 11/04/24 17:32 | 1       |
| trans-1,2-Dichloroethene  | <0.37  |           | 1.0 | 0.37 | ug/L |   |          | 11/04/24 17:32 | 1       |
| trans-1,3-Dichloropropene | <0.14  |           | 1.0 | 0.14 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Trichloroethene           | <0.30  |           | 1.0 | 0.30 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Trichlorofluoromethane    | 1.2 J  |           | 2.0 | 0.20 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Vinyl chloride            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/04/24 17:32 | 1       |
| Xylenes, Total            | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/04/24 17:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 127 |          | 11/04/24 17:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 78 - 120 |          | 11/04/24 17:32 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 125 |          | 11/04/24 17:32 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 77 - 120 |          | 11/04/24 17:32 | 1       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-09D2-202410

Lab Sample ID: 500-259162-33

Date Collected: 10/22/24 16:07

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1,1-Trichloroethane                 | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1,2,2-Tetrachloroethane             | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <3.6   |           | 15  | 3.6  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1,2-Trichloroethane                 | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1-Dichloroethane                    | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1-Dichloroethene                    | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,1-Dichloropropene                   | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2,3-Trichlorobenzene                | <6.0   |           | 20  | 6.0  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2,3-Trichloropropane                | <1.4   |           | 13  | 1.4  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2,4-Trichlorobenzene                | <2.9   |           | 5.0 | 2.9  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2,4-Trimethylbenzene                | <0.75  |           | 5.0 | 0.75 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <2.1   | ^c        | 25  | 2.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2-Dibromoethane                     | <0.92  |           | 5.0 | 0.92 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2-Dichlorobenzene                   | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2-Dichloroethane                    | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,2-Dichloropropane                   | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,3,5-Trimethylbenzene                | <0.61  |           | 5.0 | 0.61 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,3-Dichlorobenzene                   | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,3-Dichloropropane                   | <0.87  |           | 5.0 | 0.87 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 1,4-Dichlorobenzene                   | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 2,2-Dichloropropane                   | <0.84  |           | 5.0 | 0.84 | ug/L |   |          | 11/04/24 17:53 | 5       |
| 2-Butanone (MEK)                      | <23    |           | 50  | 23   | ug/L |   |          | 11/04/24 17:53 | 5       |
| 2-Chlorotoluene                       | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 2-Hexanone                            | <4.1   |           | 25  | 4.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 4-Chlorotoluene                       | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <4.9   |           | 25  | 4.9  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Acetone                               | <33    |           | 75  | 33   | ug/L |   |          | 11/04/24 17:53 | 5       |
| Benzene                               | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Bromobenzene                          | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Bromochloromethane                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Bromodichloromethane                  | <0.94  |           | 5.0 | 0.94 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Bromoform                             | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Bromomethane                          | <12    |           | 25  | 12   | ug/L |   |          | 11/04/24 17:53 | 5       |
| Carbon disulfide                      | <1.3   |           | 10  | 1.3  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Carbon tetrachloride                  | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Chlorobenzene                         | <0.46  |           | 5.0 | 0.46 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Chloroethane                          | <3.2   |           | 10  | 3.2  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Chloroform                            | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Chloromethane                         | <1.1   |           | 10  | 1.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| cis-1,2-Dichloroethene                | 68     |           | 5.0 | 1.6  | ug/L |   |          | 11/04/24 17:53 | 5       |
| cis-1,3-Dichloropropene               | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Dibromochloromethane                  | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Dibromomethane                        | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Dichlorodifluoromethane               | <1.5   | ^c        | 10  | 1.5  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Diisopropyl ether                     | <5.5   |           | 50  | 5.5  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Ethylbenzene                          | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Hexachlorobutadiene                   | <2.6   |           | 10  | 2.6  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Isopropylbenzene                      | <0.79  |           | 5.0 | 0.79 | ug/L |   |          | 11/04/24 17:53 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-09D2-202410

Lab Sample ID: 500-259162-33

Date Collected: 10/22/24 16:07

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | 3.0    | J         | 25  | 1.3  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Methylene Chloride        | <4.7   |           | 10  | 4.7  | ug/L |   |          | 11/04/24 17:53 | 5       |
| m-Xylene & p-Xylene       | <1.8   |           | 10  | 1.8  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Naphthalene               | <5.0   |           | 15  | 5.0  | ug/L |   |          | 11/04/24 17:53 | 5       |
| n-Butylbenzene            | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/04/24 17:53 | 5       |
| n-Hexane                  | <0.82  |           | 10  | 0.82 | ug/L |   |          | 11/04/24 17:53 | 5       |
| N-Propylbenzene           | <0.92  |           | 5.0 | 0.92 | ug/L |   |          | 11/04/24 17:53 | 5       |
| o-Xylene                  | <0.57  |           | 5.0 | 0.57 | ug/L |   |          | 11/04/24 17:53 | 5       |
| p-Isopropyltoluene        | <0.93  |           | 5.0 | 0.93 | ug/L |   |          | 11/04/24 17:53 | 5       |
| sec-Butylbenzene          | <1.0   |           | 5.0 | 1.0  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Styrene                   | <0.63  |           | 5.0 | 0.63 | ug/L |   |          | 11/04/24 17:53 | 5       |
| tert-Butylbenzene         | <0.89  |           | 5.0 | 0.89 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Tetrachloroethene         | 190    |           | 5.0 | 2.0  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Tetrahydrofuran           | <4.2   |           | 35  | 4.2  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Toluene                   | <1.6   |           | 5.0 | 1.6  | ug/L |   |          | 11/04/24 17:53 | 5       |
| trans-1,2-Dichloroethene  | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 11/04/24 17:53 | 5       |
| trans-1,3-Dichloropropene | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Trichloroethene           | 37     |           | 5.0 | 1.5  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Trichlorofluoromethane    | <0.99  |           | 10  | 0.99 | ug/L |   |          | 11/04/24 17:53 | 5       |
| Vinyl chloride            | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/04/24 17:53 | 5       |
| Xylenes, Total            | <0.57  |           | 5.0 | 0.57 | ug/L |   |          | 11/04/24 17:53 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 127 |          | 11/04/24 17:53 | 5       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 78 - 120 |          | 11/04/24 17:53 | 5       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 125 |          | 11/04/24 17:53 | 5       |
| Dibromofluoromethane (Surr)  | 102       |           | 77 - 120 |          | 11/04/24 17:53 | 5       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-17-202410

Lab Sample ID: 500-259162-34

Date Collected: 10/23/24 15:38

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1,1-Trichloroethane                 | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1,2,2-Tetrachloroethane             | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <7.3   |           | 30  | 7.3  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1,2-Trichloroethane                 | <2.7   |           | 10  | 2.7  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1-Dichloroethane                    | <2.2   |           | 10  | 2.2  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1-Dichloroethene                    | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,1-Dichloropropene                   | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2,3-Trichlorobenzene                | <12 *  |           | 40  | 12   | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2,3-Trichloropropane                | <2.8   |           | 25  | 2.8  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2,4-Trichlorobenzene                | <5.8   |           | 10  | 5.8  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2,4-Trimethylbenzene                | <1.5   |           | 10  | 1.5  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2-Dibromo-3-Chloropropane           | <4.2   |           | 50  | 4.2  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2-Dibromoethane                     | <1.8   |           | 10  | 1.8  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2-Dichlorobenzene                   | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2-Dichloroethane                    | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,2-Dichloropropane                   | <2.4   |           | 10  | 2.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,3,5-Trimethylbenzene                | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,3-Dichlorobenzene                   | <3.3   |           | 10  | 3.3  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,3-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 1,4-Dichlorobenzene                   | <3.9   |           | 10  | 3.9  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 2,2-Dichloropropane                   | <1.7   |           | 10  | 1.7  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 2-Butanone (MEK)                      | <46    |           | 100 | 46   | ug/L |   |          | 11/05/24 13:55 | 10      |
| 2-Chlorotoluene                       | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 2-Hexanone                            | <8.1   |           | 50  | 8.1  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 4-Chlorotoluene                       | <2.1   |           | 10  | 2.1  | ug/L |   |          | 11/05/24 13:55 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | <9.8   |           | 50  | 9.8  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Acetone                               | <66    |           | 150 | 66   | ug/L |   |          | 11/05/24 13:55 | 10      |
| Benzene                               | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Bromobenzene                          | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Bromochloromethane                    | <4.0   |           | 10  | 4.0  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Bromodichloromethane                  | <1.9   |           | 10  | 1.9  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Bromoform                             | <2.5   |           | 20  | 2.5  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Bromomethane                          | <24    |           | 50  | 24   | ug/L |   |          | 11/05/24 13:55 | 10      |
| Carbon disulfide                      | <2.6   |           | 20  | 2.6  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Carbon tetrachloride                  | <2.3   |           | 10  | 2.3  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Chlorobenzene                         | <0.92  |           | 10  | 0.92 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Chloroethane                          | <6.4   |           | 20  | 6.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Chloroform                            | <3.6   |           | 10  | 3.6  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Chloromethane                         | <2.3   |           | 20  | 2.3  | ug/L |   |          | 11/05/24 13:55 | 10      |
| cis-1,2-Dichloroethene                | 6.7 J  |           | 10  | 3.2  | ug/L |   |          | 11/05/24 13:55 | 10      |
| cis-1,3-Dichloropropene               | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Dibromochloromethane                  | <2.8   |           | 10  | 2.8  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Dibromomethane                        | <3.4   |           | 10  | 3.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Dichlorodifluoromethane               | <3.0   |           | 20  | 3.0  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Diisopropyl ether                     | <11    |           | 100 | 11   | ug/L |   |          | 11/05/24 13:55 | 10      |
| Ethylbenzene                          | <1.4   |           | 10  | 1.4  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Hexachlorobutadiene                   | <5.3   |           | 20  | 5.3  | ug/L |   |          | 11/05/24 13:55 | 10      |
| Isopropylbenzene                      | <1.6   |           | 10  | 1.6  | ug/L |   |          | 11/05/24 13:55 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-17-202410

Lab Sample ID: 500-259162-34

Date Collected: 10/23/24 15:38

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <2.5       |           | 50  | 2.5 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Methylene Chloride        | <9.4       |           | 20  | 9.4 | ug/L |   |          | 11/05/24 13:55 | 10      |
| m-Xylene & p-Xylene       | <3.6       |           | 20  | 3.6 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Naphthalene               | <9.9 *     |           | 30  | 9.9 | ug/L |   |          | 11/05/24 13:55 | 10      |
| n-Butylbenzene            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/05/24 13:55 | 10      |
| n-Hexane                  | <1.6       |           | 20  | 1.6 | ug/L |   |          | 11/05/24 13:55 | 10      |
| N-Propylbenzene           | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/05/24 13:55 | 10      |
| o-Xylene                  | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/05/24 13:55 | 10      |
| p-Isopropyltoluene        | <1.9       |           | 10  | 1.9 | ug/L |   |          | 11/05/24 13:55 | 10      |
| sec-Butylbenzene          | <2.0       |           | 10  | 2.0 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Styrene                   | <1.3       |           | 10  | 1.3 | ug/L |   |          | 11/05/24 13:55 | 10      |
| tert-Butylbenzene         | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/05/24 13:55 | 10      |
| <b>Tetrachloroethene</b>  | <b>830</b> |           | 10  | 4.0 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Tetrahydrofuran           | <8.4       |           | 70  | 8.4 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Toluene                   | <3.2       |           | 10  | 3.2 | ug/L |   |          | 11/05/24 13:55 | 10      |
| trans-1,2-Dichloroethene  | <3.7       |           | 10  | 3.7 | ug/L |   |          | 11/05/24 13:55 | 10      |
| trans-1,3-Dichloropropene | <1.4       |           | 10  | 1.4 | ug/L |   |          | 11/05/24 13:55 | 10      |
| <b>Trichloroethene</b>    | <b>42</b>  |           | 10  | 3.0 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Trichlorofluoromethane    | <2.0       |           | 20  | 2.0 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Vinyl chloride            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/05/24 13:55 | 10      |
| Xylenes, Total            | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/05/24 13:55 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 127 |          | 11/05/24 13:55 | 10      |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 78 - 120 |          | 11/05/24 13:55 | 10      |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/05/24 13:55 | 10      |
| Dibromofluoromethane (Surr)  | 99        |           | 77 - 120 |          | 11/05/24 13:55 | 10      |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-25D-202410

Lab Sample ID: 500-259162-35

Date Collected: 10/23/24 11:16

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2 * |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 14:17 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 14:17 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 14:17 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 14:17 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 14:17 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 14:17 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 14:17 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 14:17 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:17 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-25D-202410

Lab Sample ID: 500-259162-35

Date Collected: 10/23/24 11:16

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25       |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Methylene Chloride        | <0.94       |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 14:17 | 1       |
| m-Xylene & p-Xylene       | <0.36       |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Naphthalene               | <0.99       | *         | 3.0 | 0.99 | ug/L |   |          | 11/05/24 14:17 | 1       |
| n-Butylbenzene            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 14:17 | 1       |
| n-Hexane                  | <0.16       |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 14:17 | 1       |
| N-Propylbenzene           | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 14:17 | 1       |
| o-Xylene                  | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 14:17 | 1       |
| p-Isopropyltoluene        | <0.19       |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 14:17 | 1       |
| sec-Butylbenzene          | <0.20       |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Styrene                   | <0.13       |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 14:17 | 1       |
| tert-Butylbenzene         | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 14:17 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.76</b> | <b>J</b>  | 1.0 | 0.40 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Tetrahydrofuran           | <0.84       |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Toluene                   | <0.32       |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 14:17 | 1       |
| trans-1,2-Dichloroethene  | <0.37       |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 14:17 | 1       |
| trans-1,3-Dichloropropene | <0.14       |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Trichloroethene           | <0.30       |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Trichlorofluoromethane    | <0.20       |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Vinyl chloride            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 14:17 | 1       |
| Xylenes, Total            | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 14:17 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 70 - 127 |          | 11/05/24 14:17 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 78 - 120 |          | 11/05/24 14:17 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 125 |          | 11/05/24 14:17 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 77 - 120 |          | 11/05/24 14:17 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-25D2-202410

Lab Sample ID: 500-259162-36

Date Collected: 10/23/24 11:01

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   | F2 *      | 4.0 | 1.2   | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 12:52 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 12:52 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Acetone                               | <6.6   | F2        | 15  | 6.6   | ug/L |   |          | 11/05/24 12:52 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 12:52 | 1       |
| Carbon disulfide                      | <0.26  | F1 F2     | 2.0 | 0.26  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 12:52 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 12:52 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 12:52 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 12:52 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 12:52 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-25D2-202410

Lab Sample ID: 500-259162-36

Date Collected: 10/23/24 11:01

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25  |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Methylene Chloride        | <0.94  |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 12:52 | 1       |
| m-Xylene & p-Xylene       | <0.36  |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Naphthalene               | <0.99  | F2 *      | 3.0 | 0.99 | ug/L |   |          | 11/05/24 12:52 | 1       |
| n-Butylbenzene            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 12:52 | 1       |
| n-Hexane                  | <0.16  |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 12:52 | 1       |
| N-Propylbenzene           | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 12:52 | 1       |
| o-Xylene                  | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 12:52 | 1       |
| p-Isopropyltoluene        | <0.19  |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 12:52 | 1       |
| sec-Butylbenzene          | <0.20  |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Styrene                   | <0.13  |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 12:52 | 1       |
| tert-Butylbenzene         | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Tetrachloroethene         | <0.40  |           | 1.0 | 0.40 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Tetrahydrofuran           | <0.84  |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Toluene                   | <0.32  |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 12:52 | 1       |
| trans-1,2-Dichloroethene  | <0.37  |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 12:52 | 1       |
| trans-1,3-Dichloropropene | <0.14  |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Trichloroethene           | <0.30  |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Trichlorofluoromethane    | <0.20  |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Vinyl chloride            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 12:52 | 1       |
| Xylenes, Total            | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 12:52 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 127 |          | 11/05/24 12:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 78 - 120 |          | 11/05/24 12:52 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/05/24 12:52 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 77 - 120 |          | 11/05/24 12:52 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-27D-202410

Lab Sample ID: 500-259162-37

Date Collected: 10/23/24 13:47

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2 * |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 14:38 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 14:38 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 14:38 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 14:38 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 14:38 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 14:38 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 14:38 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 14:38 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:38 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-27D-202410

Lab Sample ID: 500-259162-37

Date Collected: 10/23/24 13:47

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25       |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Methylene Chloride        | <0.94       |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 14:38 | 1       |
| m-Xylene & p-Xylene       | <0.36       |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Naphthalene               | <0.99       | *         | 3.0 | 0.99 | ug/L |   |          | 11/05/24 14:38 | 1       |
| n-Butylbenzene            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 14:38 | 1       |
| n-Hexane                  | <0.16       |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 14:38 | 1       |
| N-Propylbenzene           | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 14:38 | 1       |
| o-Xylene                  | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 14:38 | 1       |
| p-Isopropyltoluene        | <0.19       |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 14:38 | 1       |
| sec-Butylbenzene          | <0.20       |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Styrene                   | <0.13       |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 14:38 | 1       |
| tert-Butylbenzene         | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 14:38 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.99</b> | <b>J</b>  | 1.0 | 0.40 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Tetrahydrofuran           | <0.84       |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Toluene                   | <0.32       |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 14:38 | 1       |
| trans-1,2-Dichloroethene  | <0.37       |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 14:38 | 1       |
| trans-1,3-Dichloropropene | <0.14       |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 14:38 | 1       |
| <b>Trichloroethene</b>    | <b>1.5</b>  |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Trichlorofluoromethane    | <0.20       |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Vinyl chloride            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 14:38 | 1       |
| Xylenes, Total            | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 14:38 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 127 |          | 11/05/24 14:38 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 78 - 120 |          | 11/05/24 14:38 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |          | 11/05/24 14:38 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 77 - 120 |          | 11/05/24 14:38 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-27D2-202410

Lab Sample ID: 500-259162-38

Date Collected: 10/23/24 13:50

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2 * |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 14:59 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 14:59 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 14:59 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 14:59 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 14:59 | 1       |
| cis-1,2-Dichloroethene                | 2.9    |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 14:59 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 14:59 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 14:59 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 14:59 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-27D2-202410

Lab Sample ID: 500-259162-38

Date Collected: 10/23/24 13:50

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 14:59 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Naphthalene               | <0.99 *    |           | 3.0 | 0.99 | ug/L |   |          | 11/05/24 14:59 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 14:59 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 14:59 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 14:59 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 14:59 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 14:59 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 14:59 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 14:59 | 1       |
| <b>Tetrachloroethene</b>  | <b>9.3</b> |           | 1.0 | 0.40 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 14:59 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 14:59 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 14:59 | 1       |
| <b>Trichloroethene</b>    | <b>6.0</b> |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 14:59 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 14:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 127 |          | 11/05/24 14:59 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 78 - 120 |          | 11/05/24 14:59 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 125 |          | 11/05/24 14:59 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 77 - 120 |          | 11/05/24 14:59 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-28-202410

Lab Sample ID: 500-259162-39

Date Collected: 10/25/24 12:56

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result  | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|---------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <1.6    |           | 10  | 1.6  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1,1-Trichloroethane                 | <3.9    |           | 10  | 3.9  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1,2,2-Tetrachloroethane             | <2.1    |           | 10  | 2.1  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <7.3    |           | 30  | 7.3  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1,2-Trichloroethane                 | <2.7    |           | 10  | 2.7  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1-Dichloroethane                    | <2.2    |           | 10  | 2.2  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1-Dichloroethene                    | <2.3    |           | 10  | 2.3  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,1-Dichloropropene                   | <1.9    |           | 10  | 1.9  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2,3-Trichlorobenzene                | <12     |           | 40  | 12   | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2,3-Trichloropropane                | <2.8    |           | 25  | 2.8  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2,4-Trichlorobenzene                | <5.8    |           | 10  | 5.8  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2,4-Trimethylbenzene                | <1.5    |           | 10  | 1.5  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2-Dibromo-3-Chloropropane           | <4.2    |           | 50  | 4.2  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2-Dibromoethane                     | <1.8    |           | 10  | 1.8  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2-Dichlorobenzene                   | <1.4    |           | 10  | 1.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2-Dichloroethane                    | <2.8    |           | 10  | 2.8  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,2-Dichloropropane                   | <2.4    |           | 10  | 2.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,3,5-Trimethylbenzene                | <1.2    |           | 10  | 1.2  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,3-Dichlorobenzene                   | <3.3    |           | 10  | 3.3  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,3-Dichloropropane                   | <1.7    |           | 10  | 1.7  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 1,4-Dichlorobenzene                   | <3.9    |           | 10  | 3.9  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 2,2-Dichloropropane                   | <1.7    |           | 10  | 1.7  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 2-Butanone (MEK)                      | <46     |           | 100 | 46   | ug/L |   |          | 11/06/24 13:55 | 10      |
| 2-Chlorotoluene                       | <3.4    |           | 10  | 3.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 2-Hexanone                            | <8.1    |           | 50  | 8.1  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 4-Chlorotoluene                       | <2.1    |           | 10  | 2.1  | ug/L |   |          | 11/06/24 13:55 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | <9.8    |           | 50  | 9.8  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Acetone                               | <66     |           | 150 | 66   | ug/L |   |          | 11/06/24 13:55 | 10      |
| Benzene                               | <1.4    |           | 10  | 1.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Bromobenzene                          | <1.9    |           | 10  | 1.9  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Bromochloromethane                    | <4.0    |           | 10  | 4.0  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Bromodichloromethane                  | <1.9    |           | 10  | 1.9  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Bromoform                             | <2.5    |           | 20  | 2.5  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Bromomethane                          | <24     |           | 50  | 24   | ug/L |   |          | 11/06/24 13:55 | 10      |
| Carbon disulfide                      | <2.6    |           | 20  | 2.6  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Carbon tetrachloride                  | <2.3    |           | 10  | 2.3  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Chlorobenzene                         | <0.92   |           | 10  | 0.92 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Chloroethane                          | <6.4    |           | 20  | 6.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Chloroform                            | <3.6    |           | 10  | 3.6  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Chloromethane                         | <2.3 ^c |           | 20  | 2.3  | ug/L |   |          | 11/06/24 13:55 | 10      |
| cis-1,2-Dichloroethene                | <3.2    |           | 10  | 3.2  | ug/L |   |          | 11/06/24 13:55 | 10      |
| cis-1,3-Dichloropropene               | <1.6    |           | 10  | 1.6  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Dibromochloromethane                  | <2.8    |           | 10  | 2.8  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Dibromomethane                        | <3.4    |           | 10  | 3.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Dichlorodifluoromethane               | <3.0 ^c |           | 20  | 3.0  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Diisopropyl ether                     | <11     |           | 100 | 11   | ug/L |   |          | 11/06/24 13:55 | 10      |
| Ethylbenzene                          | <1.4    |           | 10  | 1.4  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Hexachlorobutadiene                   | <5.3    |           | 20  | 5.3  | ug/L |   |          | 11/06/24 13:55 | 10      |
| Isopropylbenzene                      | <1.6    |           | 10  | 1.6  | ug/L |   |          | 11/06/24 13:55 | 10      |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: MW-28-202410

Lab Sample ID: 500-259162-39

Date Collected: 10/25/24 12:56

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <2.5       |           | 50  | 2.5 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Methylene Chloride        | <9.4       |           | 20  | 9.4 | ug/L |   |          | 11/06/24 13:55 | 10      |
| m-Xylene & p-Xylene       | <3.6       |           | 20  | 3.6 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Naphthalene               | <9.9       |           | 30  | 9.9 | ug/L |   |          | 11/06/24 13:55 | 10      |
| n-Butylbenzene            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/06/24 13:55 | 10      |
| n-Hexane                  | <1.6       |           | 20  | 1.6 | ug/L |   |          | 11/06/24 13:55 | 10      |
| N-Propylbenzene           | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/06/24 13:55 | 10      |
| o-Xylene                  | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/06/24 13:55 | 10      |
| p-Isopropyltoluene        | <1.9       |           | 10  | 1.9 | ug/L |   |          | 11/06/24 13:55 | 10      |
| sec-Butylbenzene          | <2.0       |           | 10  | 2.0 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Styrene                   | <1.3       |           | 10  | 1.3 | ug/L |   |          | 11/06/24 13:55 | 10      |
| tert-Butylbenzene         | <1.8       |           | 10  | 1.8 | ug/L |   |          | 11/06/24 13:55 | 10      |
| <b>Tetrachloroethene</b>  | <b>760</b> |           | 10  | 4.0 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Tetrahydrofuran           | <8.4       |           | 70  | 8.4 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Toluene                   | <3.2       |           | 10  | 3.2 | ug/L |   |          | 11/06/24 13:55 | 10      |
| trans-1,2-Dichloroethene  | <3.7       |           | 10  | 3.7 | ug/L |   |          | 11/06/24 13:55 | 10      |
| trans-1,3-Dichloropropene | <1.4       |           | 10  | 1.4 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Trichloroethene           | <3.0       |           | 10  | 3.0 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Trichlorofluoromethane    | <2.0       |           | 20  | 2.0 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Vinyl chloride            | <2.3       |           | 10  | 2.3 | ug/L |   |          | 11/06/24 13:55 | 10      |
| Xylenes, Total            | <1.1       |           | 10  | 1.1 | ug/L |   |          | 11/06/24 13:55 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 127 |          | 11/06/24 13:55 | 10      |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 78 - 120 |          | 11/06/24 13:55 | 10      |
| Toluene-d8 (Surr)            | 109       |           | 80 - 125 |          | 11/06/24 13:55 | 10      |
| Dibromofluoromethane (Surr)  | 91        |           | 77 - 120 |          | 11/06/24 13:55 | 10      |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-01-202410

Lab Sample ID: 500-259162-40

Date Collected: 10/23/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2 * |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 15:20 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 15:20 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 15:20 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 15:20 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 15:20 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 15:20 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Dichlorodifluoromethane               | <0.30  |           | 2.0 | 0.30  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 15:20 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 15:20 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 15:20 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-01-202410

Lab Sample ID: 500-259162-40

Date Collected: 10/23/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25       |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Methylene Chloride        | <0.94       |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 15:20 | 1       |
| m-Xylene & p-Xylene       | <0.36       |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Naphthalene               | <0.99       | *         | 3.0 | 0.99 | ug/L |   |          | 11/05/24 15:20 | 1       |
| n-Butylbenzene            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 15:20 | 1       |
| n-Hexane                  | <0.16       |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 15:20 | 1       |
| N-Propylbenzene           | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 15:20 | 1       |
| o-Xylene                  | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 15:20 | 1       |
| p-Isopropyltoluene        | <0.19       |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 15:20 | 1       |
| sec-Butylbenzene          | <0.20       |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Styrene                   | <0.13       |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 15:20 | 1       |
| tert-Butylbenzene         | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 15:20 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.97</b> | <b>J</b>  | 1.0 | 0.40 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Tetrahydrofuran           | <0.84       |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Toluene                   | <0.32       |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 15:20 | 1       |
| trans-1,2-Dichloroethene  | <0.37       |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 15:20 | 1       |
| trans-1,3-Dichloropropene | <0.14       |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 15:20 | 1       |
| <b>Trichloroethene</b>    | <b>1.6</b>  |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Trichlorofluoromethane    | <0.20       |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Vinyl chloride            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 15:20 | 1       |
| Xylenes, Total            | <0.11       |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 15:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 70 - 127 |          | 11/05/24 15:20 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 78 - 120 |          | 11/05/24 15:20 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 125 |          | 11/05/24 15:20 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 77 - 120 |          | 11/05/24 15:20 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-02-202410

Lab Sample ID: 500-259162-41

Date Collected: 10/24/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.62  |           | 4.0 | 0.62 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1,1-Trichloroethane                 | <1.6   |           | 4.0 | 1.6  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1,2,2-Tetrachloroethane             | <0.84  |           | 4.0 | 0.84 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <2.9   |           | 12  | 2.9  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1,2-Trichloroethane                 | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1-Dichloroethane                    | <0.88  |           | 4.0 | 0.88 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1-Dichloroethene                    | <0.92  |           | 4.0 | 0.92 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,1-Dichloropropene                   | <0.76  |           | 4.0 | 0.76 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2,3-Trichlorobenzene                | <4.8   |           | 16  | 4.8  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2,3-Trichloropropane                | <1.1   |           | 10  | 1.1  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2,4-Trichlorobenzene                | <2.3   |           | 4.0 | 2.3  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2,4-Trimethylbenzene                | <0.60  |           | 4.0 | 0.60 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2-Dibromo-3-Chloropropane           | <1.7   | ^c        | 20  | 1.7  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2-Dibromoethane                     | <0.73  |           | 4.0 | 0.73 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2-Dichlorobenzene                   | <0.58  |           | 4.0 | 0.58 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2-Dichloroethane                    | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,2-Dichloropropane                   | <0.97  |           | 4.0 | 0.97 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,3,5-Trimethylbenzene                | <0.48  |           | 4.0 | 0.48 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,3-Dichlorobenzene                   | <1.3   |           | 4.0 | 1.3  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,3-Dichloropropane                   | <0.70  |           | 4.0 | 0.70 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 1,4-Dichlorobenzene                   | <1.6   |           | 4.0 | 1.6  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 2,2-Dichloropropane                   | <0.67  |           | 4.0 | 0.67 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 2-Butanone (MEK)                      | <18    |           | 40  | 18   | ug/L |   |          | 11/06/24 04:47 | 4       |
| 2-Chlorotoluene                       | <1.4   |           | 4.0 | 1.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 2-Hexanone                            | <3.2   |           | 20  | 3.2  | ug/L |   |          | 11/06/24 04:47 | 4       |
| 4-Chlorotoluene                       | <0.84  |           | 4.0 | 0.84 | ug/L |   |          | 11/06/24 04:47 | 4       |
| 4-Methyl-2-pentanone (MIBK)           | <3.9   |           | 20  | 3.9  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Acetone                               | <26    |           | 60  | 26   | ug/L |   |          | 11/06/24 04:47 | 4       |
| Benzene                               | <0.58  |           | 4.0 | 0.58 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Bromobenzene                          | <0.76  |           | 4.0 | 0.76 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Bromochloromethane                    | <1.6   |           | 4.0 | 1.6  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Bromodichloromethane                  | <0.75  |           | 4.0 | 0.75 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Bromoform                             | <0.98  |           | 8.0 | 0.98 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Bromomethane                          | <9.4   |           | 20  | 9.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Carbon disulfide                      | <1.0   |           | 8.0 | 1.0  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Carbon tetrachloride                  | <0.90  |           | 4.0 | 0.90 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Chlorobenzene                         | <0.37  |           | 4.0 | 0.37 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Chloroethane                          | <2.6   |           | 8.0 | 2.6  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Chloroform                            | <1.4   |           | 4.0 | 1.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Chloromethane                         | <0.91  |           | 8.0 | 0.91 | ug/L |   |          | 11/06/24 04:47 | 4       |
| cis-1,2-Dichloroethene                | 11     |           | 4.0 | 1.3  | ug/L |   |          | 11/06/24 04:47 | 4       |
| cis-1,3-Dichloropropene               | <0.62  |           | 4.0 | 0.62 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Dibromochloromethane                  | <1.1   |           | 4.0 | 1.1  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Dibromomethane                        | <1.4   |           | 4.0 | 1.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Dichlorodifluoromethane               | <1.2   | ^c        | 8.0 | 1.2  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Diisopropyl ether                     | <4.4   |           | 40  | 4.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Ethylbenzene                          | <0.58  |           | 4.0 | 0.58 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Hexachlorobutadiene                   | <2.1   |           | 8.0 | 2.1  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Isopropylbenzene                      | <0.63  |           | 4.0 | 0.63 | ug/L |   |          | 11/06/24 04:47 | 4       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-02-202410

Lab Sample ID: 500-259162-41

Date Collected: 10/24/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <1.0       |           | 20  | 1.0  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Methylene Chloride        | <3.8       |           | 8.0 | 3.8  | ug/L |   |          | 11/06/24 04:47 | 4       |
| m-Xylene & p-Xylene       | <1.4       |           | 8.0 | 1.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Naphthalene               | <4.0       |           | 12  | 4.0  | ug/L |   |          | 11/06/24 04:47 | 4       |
| n-Butylbenzene            | <0.93      |           | 4.0 | 0.93 | ug/L |   |          | 11/06/24 04:47 | 4       |
| n-Hexane                  | <0.65      |           | 8.0 | 0.65 | ug/L |   |          | 11/06/24 04:47 | 4       |
| N-Propylbenzene           | <0.74      |           | 4.0 | 0.74 | ug/L |   |          | 11/06/24 04:47 | 4       |
| o-Xylene                  | <0.46      |           | 4.0 | 0.46 | ug/L |   |          | 11/06/24 04:47 | 4       |
| p-Isopropyltoluene        | <0.74      |           | 4.0 | 0.74 | ug/L |   |          | 11/06/24 04:47 | 4       |
| sec-Butylbenzene          | <0.82      |           | 4.0 | 0.82 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Styrene                   | <0.50      |           | 4.0 | 0.50 | ug/L |   |          | 11/06/24 04:47 | 4       |
| tert-Butylbenzene         | <0.71      |           | 4.0 | 0.71 | ug/L |   |          | 11/06/24 04:47 | 4       |
| <b>Tetrachloroethene</b>  | <b>350</b> |           | 4.0 | 1.6  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Tetrahydrofuran           | <3.4       |           | 28  | 3.4  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Toluene                   | <1.3       |           | 4.0 | 1.3  | ug/L |   |          | 11/06/24 04:47 | 4       |
| trans-1,2-Dichloroethene  | <1.5       |           | 4.0 | 1.5  | ug/L |   |          | 11/06/24 04:47 | 4       |
| trans-1,3-Dichloropropene | <0.57      |           | 4.0 | 0.57 | ug/L |   |          | 11/06/24 04:47 | 4       |
| <b>Trichloroethene</b>    | <b>16</b>  |           | 4.0 | 1.2  | ug/L |   |          | 11/06/24 04:47 | 4       |
| Trichlorofluoromethane    | <0.79      |           | 8.0 | 0.79 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Vinyl chloride            | <0.90      |           | 4.0 | 0.90 | ug/L |   |          | 11/06/24 04:47 | 4       |
| Xylenes, Total            | <0.46      |           | 4.0 | 0.46 | ug/L |   |          | 11/06/24 04:47 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 70 - 127 |          | 11/06/24 04:47 | 4       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 78 - 120 |          | 11/06/24 04:47 | 4       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/06/24 04:47 | 4       |
| Dibromofluoromethane (Surr)  | 103       |           | 77 - 120 |          | 11/06/24 04:47 | 4       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-03-202410

Lab Sample ID: 500-259162-42

Date Collected: 10/25/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  | ^c        | 5.0 | 0.42  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/06/24 04:26 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/06/24 04:26 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/06/24 04:26 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/06/24 04:26 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/06/24 04:26 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/06/24 04:26 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/06/24 04:26 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/06/24 04:26 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/06/24 04:26 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-03-202410

Lab Sample ID: 500-259162-42

Date Collected: 10/25/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25      |           | 5.0 | 0.25 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Methylene Chloride        | <0.94      |           | 2.0 | 0.94 | ug/L |   |          | 11/06/24 04:26 | 1       |
| m-Xylene & p-Xylene       | <0.36      |           | 2.0 | 0.36 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Naphthalene               | <0.99      |           | 3.0 | 0.99 | ug/L |   |          | 11/06/24 04:26 | 1       |
| n-Butylbenzene            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 04:26 | 1       |
| n-Hexane                  | <0.16      |           | 2.0 | 0.16 | ug/L |   |          | 11/06/24 04:26 | 1       |
| N-Propylbenzene           | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 04:26 | 1       |
| o-Xylene                  | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 04:26 | 1       |
| p-Isopropyltoluene        | <0.19      |           | 1.0 | 0.19 | ug/L |   |          | 11/06/24 04:26 | 1       |
| sec-Butylbenzene          | <0.20      |           | 1.0 | 0.20 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Styrene                   | <0.13      |           | 1.0 | 0.13 | ug/L |   |          | 11/06/24 04:26 | 1       |
| tert-Butylbenzene         | <0.18      |           | 1.0 | 0.18 | ug/L |   |          | 11/06/24 04:26 | 1       |
| <b>Tetrachloroethene</b>  | <b>6.4</b> |           | 1.0 | 0.40 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Tetrahydrofuran           | <0.84      |           | 7.0 | 0.84 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Toluene                   | <0.32      |           | 1.0 | 0.32 | ug/L |   |          | 11/06/24 04:26 | 1       |
| trans-1,2-Dichloroethene  | <0.37      |           | 1.0 | 0.37 | ug/L |   |          | 11/06/24 04:26 | 1       |
| trans-1,3-Dichloropropene | <0.14      |           | 1.0 | 0.14 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Trichloroethene           | <0.30      |           | 1.0 | 0.30 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Trichlorofluoromethane    | <0.20      |           | 2.0 | 0.20 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Vinyl chloride            | <0.23      |           | 1.0 | 0.23 | ug/L |   |          | 11/06/24 04:26 | 1       |
| Xylenes, Total            | <0.11      |           | 1.0 | 0.11 | ug/L |   |          | 11/06/24 04:26 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 70 - 127 |          | 11/06/24 04:26 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 78 - 120 |          | 11/06/24 04:26 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/06/24 04:26 | 1       |
| Dibromofluoromethane (Surr)  | 104       |           | 77 - 120 |          | 11/06/24 04:26 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-04-202410

Lab Sample ID: 500-259162-43

Date Collected: 10/25/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1,1-Trichloroethane                 | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1,2,2-Tetrachloroethane             | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <3.6   |           | 15  | 3.6  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1,2-Trichloroethane                 | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1-Dichloroethane                    | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1-Dichloroethene                    | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,1-Dichloropropene                   | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2,3-Trichlorobenzene                | <6.0   |           | 20  | 6.0  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2,3-Trichloropropane                | <1.4   |           | 13  | 1.4  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2,4-Trichlorobenzene                | <2.9   |           | 5.0 | 2.9  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2,4-Trimethylbenzene                | <0.75  |           | 5.0 | 0.75 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2-Dibromo-3-Chloropropane           | <2.1   | ^c        | 25  | 2.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2-Dibromoethane                     | <0.92  |           | 5.0 | 0.92 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2-Dichlorobenzene                   | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2-Dichloroethane                    | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,2-Dichloropropane                   | <1.2   |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,3,5-Trimethylbenzene                | <0.61  |           | 5.0 | 0.61 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,3-Dichlorobenzene                   | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,3-Dichloropropane                   | <0.87  |           | 5.0 | 0.87 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 1,4-Dichlorobenzene                   | <1.9   |           | 5.0 | 1.9  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 2,2-Dichloropropane                   | <0.84  |           | 5.0 | 0.84 | ug/L |   |          | 11/06/24 05:07 | 5       |
| 2-Butanone (MEK)                      | <23    |           | 50  | 23   | ug/L |   |          | 11/06/24 05:07 | 5       |
| 2-Chlorotoluene                       | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 2-Hexanone                            | <4.1   |           | 25  | 4.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 4-Chlorotoluene                       | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | <4.9   |           | 25  | 4.9  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Acetone                               | <33    |           | 75  | 33   | ug/L |   |          | 11/06/24 05:07 | 5       |
| Benzene                               | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Bromobenzene                          | <0.95  |           | 5.0 | 0.95 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Bromochloromethane                    | <2.0   |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Bromodichloromethane                  | <0.94  |           | 5.0 | 0.94 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Bromoform                             | <1.2   |           | 10  | 1.2  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Bromomethane                          | <12    |           | 25  | 12   | ug/L |   |          | 11/06/24 05:07 | 5       |
| Carbon disulfide                      | <1.3   |           | 10  | 1.3  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Carbon tetrachloride                  | <1.1   |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Chlorobenzene                         | <0.46  |           | 5.0 | 0.46 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Chloroethane                          | <3.2   |           | 10  | 3.2  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Chloroform                            | <1.8   |           | 5.0 | 1.8  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Chloromethane                         | <1.1   |           | 10  | 1.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| cis-1,2-Dichloroethene                | <1.6   |           | 5.0 | 1.6  | ug/L |   |          | 11/06/24 05:07 | 5       |
| cis-1,3-Dichloropropene               | <0.78  |           | 5.0 | 0.78 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Dibromochloromethane                  | <1.4   |           | 5.0 | 1.4  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Dibromomethane                        | <1.7   |           | 5.0 | 1.7  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Dichlorodifluoromethane               | <1.5   | ^c        | 10  | 1.5  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Diisopropyl ether                     | <5.5   |           | 50  | 5.5  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Ethylbenzene                          | <0.72  |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Hexachlorobutadiene                   | <2.6   |           | 10  | 2.6  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Isopropylbenzene                      | <0.79  |           | 5.0 | 0.79 | ug/L |   |          | 11/06/24 05:07 | 5       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: DUP-04-202410

Lab Sample ID: 500-259162-43

Date Collected: 10/25/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result     | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <1.3       |           | 25  | 1.3  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Methylene Chloride        | <4.7       |           | 10  | 4.7  | ug/L |   |          | 11/06/24 05:07 | 5       |
| m-Xylene & p-Xylene       | <1.8       |           | 10  | 1.8  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Naphthalene               | <5.0       |           | 15  | 5.0  | ug/L |   |          | 11/06/24 05:07 | 5       |
| n-Butylbenzene            | <1.2       |           | 5.0 | 1.2  | ug/L |   |          | 11/06/24 05:07 | 5       |
| n-Hexane                  | <0.82      |           | 10  | 0.82 | ug/L |   |          | 11/06/24 05:07 | 5       |
| N-Propylbenzene           | <0.92      |           | 5.0 | 0.92 | ug/L |   |          | 11/06/24 05:07 | 5       |
| o-Xylene                  | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/06/24 05:07 | 5       |
| p-Isopropyltoluene        | <0.93      |           | 5.0 | 0.93 | ug/L |   |          | 11/06/24 05:07 | 5       |
| sec-Butylbenzene          | <1.0       |           | 5.0 | 1.0  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Styrene                   | <0.63      |           | 5.0 | 0.63 | ug/L |   |          | 11/06/24 05:07 | 5       |
| tert-Butylbenzene         | <0.89      |           | 5.0 | 0.89 | ug/L |   |          | 11/06/24 05:07 | 5       |
| <b>Tetrachloroethene</b>  | <b>630</b> |           | 5.0 | 2.0  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Tetrahydrofuran           | <4.2       |           | 35  | 4.2  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Toluene                   | <1.6       |           | 5.0 | 1.6  | ug/L |   |          | 11/06/24 05:07 | 5       |
| trans-1,2-Dichloroethene  | <1.8       |           | 5.0 | 1.8  | ug/L |   |          | 11/06/24 05:07 | 5       |
| trans-1,3-Dichloropropene | <0.72      |           | 5.0 | 0.72 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Trichloroethene           | <1.5       |           | 5.0 | 1.5  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Trichlorofluoromethane    | <0.99      |           | 10  | 0.99 | ug/L |   |          | 11/06/24 05:07 | 5       |
| Vinyl chloride            | <1.1       |           | 5.0 | 1.1  | ug/L |   |          | 11/06/24 05:07 | 5       |
| Xylenes, Total            | <0.57      |           | 5.0 | 0.57 | ug/L |   |          | 11/06/24 05:07 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 70 - 127 |          | 11/06/24 05:07 | 5       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 78 - 120 |          | 11/06/24 05:07 | 5       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 125 |          | 11/06/24 05:07 | 5       |
| Dibromofluoromethane (Surr)  | 103       |           | 77 - 120 |          | 11/06/24 05:07 | 5       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: EB-01-202410

Lab Sample ID: 500-259162-44

Date Collected: 10/24/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  | ^c        | 5.0 | 0.42  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 22:59 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 22:59 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 22:59 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 22:59 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 22:59 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 22:59 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 22:59 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 22:59 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:59 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: EB-01-202410

Lab Sample ID: 500-259162-44

Date Collected: 10/24/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result      | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25       |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Methylene Chloride        | <0.94       |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 22:59 | 1       |
| m-Xylene & p-Xylene       | <0.36       |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Naphthalene               | <0.99       |           | 3.0 | 0.99 | ug/L |   |          | 11/05/24 22:59 | 1       |
| n-Butylbenzene            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 22:59 | 1       |
| n-Hexane                  | <0.16       |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 22:59 | 1       |
| N-Propylbenzene           | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 22:59 | 1       |
| <b>o-Xylene</b>           | <b>0.22</b> | <b>J</b>  | 1.0 | 0.11 | ug/L |   |          | 11/05/24 22:59 | 1       |
| p-Isopropyltoluene        | <0.19       |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 22:59 | 1       |
| sec-Butylbenzene          | <0.20       |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Styrene                   | <0.13       |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 22:59 | 1       |
| tert-Butylbenzene         | <0.18       |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Tetrachloroethene         | <0.40       |           | 1.0 | 0.40 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Tetrahydrofuran           | <0.84       |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Toluene                   | <0.32       |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 22:59 | 1       |
| trans-1,2-Dichloroethene  | <0.37       |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 22:59 | 1       |
| trans-1,3-Dichloropropene | <0.14       |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Trichloroethene           | <0.30       |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Trichlorofluoromethane    | <0.20       |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 22:59 | 1       |
| Vinyl chloride            | <0.23       |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 22:59 | 1       |
| <b>Xylenes, Total</b>     | <b>0.22</b> | <b>J</b>  | 1.0 | 0.11 | ug/L |   |          | 11/05/24 22:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 70 - 127 |          | 11/05/24 22:59 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 78 - 120 |          | 11/05/24 22:59 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 125 |          | 11/05/24 22:59 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 77 - 120 |          | 11/05/24 22:59 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: TRIP BLANK-202410

Lab Sample ID: 500-259162-45

Date Collected: 10/25/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                               | Result | Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  | ^c        | 5.0 | 0.42  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/05/24 22:39 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/05/24 22:39 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/05/24 22:39 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/05/24 22:39 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/05/24 22:39 | 1       |
| cis-1,2-Dichloroethene                | <0.32  |           | 1.0 | 0.32  | ug/L |   |          | 11/05/24 22:39 | 1       |
| cis-1,3-Dichloropropene               | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Dibromochloromethane                  | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Dibromomethane                        | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Dichlorodifluoromethane               | <0.30  | ^c        | 2.0 | 0.30  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Diisopropyl ether                     | <1.1   |           | 10  | 1.1   | ug/L |   |          | 11/05/24 22:39 | 1       |
| Ethylbenzene                          | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Hexachlorobutadiene                   | <0.53  |           | 2.0 | 0.53  | ug/L |   |          | 11/05/24 22:39 | 1       |
| Isopropylbenzene                      | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:39 | 1       |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Client Sample ID: TRIP BLANK-202410

Lab Sample ID: 500-259162-45

Date Collected: 10/25/24 00:00

Matrix: Water

Date Received: 10/26/24 10:15

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | <0.25  |           | 5.0 | 0.25 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Methylene Chloride        | <0.94  |           | 2.0 | 0.94 | ug/L |   |          | 11/05/24 22:39 | 1       |
| m-Xylene & p-Xylene       | <0.36  |           | 2.0 | 0.36 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Naphthalene               | <0.99  |           | 3.0 | 0.99 | ug/L |   |          | 11/05/24 22:39 | 1       |
| n-Butylbenzene            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 22:39 | 1       |
| n-Hexane                  | <0.16  |           | 2.0 | 0.16 | ug/L |   |          | 11/05/24 22:39 | 1       |
| N-Propylbenzene           | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 22:39 | 1       |
| o-Xylene                  | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 22:39 | 1       |
| p-Isopropyltoluene        | <0.19  |           | 1.0 | 0.19 | ug/L |   |          | 11/05/24 22:39 | 1       |
| sec-Butylbenzene          | <0.20  |           | 1.0 | 0.20 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Styrene                   | <0.13  |           | 1.0 | 0.13 | ug/L |   |          | 11/05/24 22:39 | 1       |
| tert-Butylbenzene         | <0.18  |           | 1.0 | 0.18 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Tetrachloroethene         | <0.40  |           | 1.0 | 0.40 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Tetrahydrofuran           | <0.84  |           | 7.0 | 0.84 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Toluene                   | <0.32  |           | 1.0 | 0.32 | ug/L |   |          | 11/05/24 22:39 | 1       |
| trans-1,2-Dichloroethene  | <0.37  |           | 1.0 | 0.37 | ug/L |   |          | 11/05/24 22:39 | 1       |
| trans-1,3-Dichloropropene | <0.14  |           | 1.0 | 0.14 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Trichloroethene           | <0.30  |           | 1.0 | 0.30 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Trichlorofluoromethane    | <0.20  |           | 2.0 | 0.20 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Vinyl chloride            | <0.23  |           | 1.0 | 0.23 | ug/L |   |          | 11/05/24 22:39 | 1       |
| Xylenes, Total            | <0.11  |           | 1.0 | 0.11 | ug/L |   |          | 11/05/24 22:39 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 70 - 127 |          | 11/05/24 22:39 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 78 - 120 |          | 11/05/24 22:39 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 125 |          | 11/05/24 22:39 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 77 - 120 |          | 11/05/24 22:39 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                            |
|-----------|----------------------------------------------------------------------------------|
| *         | RPD of the LCS and LCSD exceeds the control limits                               |
| ^c        | CCV Recovery is outside acceptance limits.                                       |
| F1        | MS and/or MSD recovery exceeds control limits.                                   |
| F2        | MS/MSD RPD exceeds control limits                                                |
| J         | Reported value was between the limit of detection and the limit of quantitation. |

### 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## GC/MS VOA

### Analysis Batch: 673258

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-259162-1      | MP-13 (044-048)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-2      | MP-13 (067-071)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-3      | MP-13 (081-085)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-4      | MP-13 (102-106)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-8      | MP-14 (100-105)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-9      | MP-14 (135-140)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-12     | MP-15 (100-105)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-13     | MP-15 (120-125)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-14     | MP-15 (142-146)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-15     | MP-15 (177-187)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-16     | MP-16 (106-116)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-17     | MP-16 (140-144)-202410 | Total/NA  | Water  | 8260D  |            |
| MB 280-673258/9   | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 280-673258/4  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCS 280-673258/6  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673258/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673258/7 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 673539

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-259162-18     | MP-16 (175-179)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-32     | MW-09D-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-33     | MW-09D2-202410         | Total/NA  | Water  | 8260D  |            |
| MB 280-673539/9   | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 280-673539/4  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCS 280-673539/6  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673539/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673539/7 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 673671

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-259162-5      | MP-13 (121-125)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-6      | MP-13 (135-139)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-7      | MP-13 (163-167)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-10     | MP-14 (170-178)-202410 | Total/NA  | Water  | 8260D  |            |
| 500-259162-11     | MP-15 (088-092)-202410 | Total/NA  | Water  | 8260D  |            |
| MB 280-673671/9   | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 280-673671/4  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCS 280-673671/6  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673671/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673671/7 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 673689

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-259162-30 | MW-06D-202410    | Total/NA  | Water  | 8260D  |            |
| 500-259162-31 | MW-06S-202410    | Total/NA  | Water  | 8260D  |            |
| 500-259162-34 | MW-17-202410     | Total/NA  | Water  | 8260D  |            |
| 500-259162-35 | MW-25D-202410    | Total/NA  | Water  | 8260D  |            |
| 500-259162-36 | MW-25D2-202410   | Total/NA  | Water  | 8260D  |            |
| 500-259162-37 | MW-27D-202410    | Total/NA  | Water  | 8260D  |            |
| 500-259162-38 | MW-27D2-202410   | Total/NA  | Water  | 8260D  |            |

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## GC/MS VOA (Continued)

### Analysis Batch: 673689 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-259162-40     | DUP-01-202410          | Total/NA  | Water  | 8260D  |            |
| MB 280-673689/9   | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 280-673689/4  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCS 280-673689/6  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673689/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673689/7 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| 500-259162-36 MS  | MW-25D2-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-36 MSD | MW-25D2-202410         | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 673877

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-259162-41     | DUP-02-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-42     | DUP-03-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-43     | DUP-04-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-44     | EB-01-202410           | Total/NA  | Water  | 8260D  |            |
| 500-259162-45     | TRIP BLANK-202410      | Total/NA  | Water  | 8260D  |            |
| MB 280-673877/9   | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 280-673877/4  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCS 280-673877/6  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673877/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673877/7 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 673881

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 500-259162-19     | MW-01-202410           | Total/NA  | Water  | 8260D  |            |
| 500-259162-20     | MW-2D-202410           | Total/NA  | Water  | 8260D  |            |
| 500-259162-21     | MW-03D-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-22     | MW-03D2-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-23     | MW-03D3-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-24     | MW-03S-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-25     | MW-04D2-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-26     | MW-05D-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-27     | MW-05D2-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-28     | MW-05D3-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-29     | MW-05S-202410          | Total/NA  | Water  | 8260D  |            |
| 500-259162-39     | MW-28-202410           | Total/NA  | Water  | 8260D  |            |
| MB 280-673881/9   | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 280-673881/4  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCS 280-673881/6  | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673881/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| LCSD 280-673881/7 | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| 500-259162-23 MS  | MW-03D3-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-23 MSD | MW-03D3-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-28 MS  | MW-05D3-202410         | Total/NA  | Water  | 8260D  |            |
| 500-259162-28 MSD | MW-05D3-202410         | Total/NA  | Water  | 8260D  |            |

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                  |
|-------------------|------------------------|------------------------------------------------|-----------------|-----------------|------------------|
|                   |                        | DCA<br>(70-127)                                | BFB<br>(78-120) | TOL<br>(80-125) | DBFM<br>(77-120) |
| 500-259162-1      | MP-13 (044-048)-202410 | 102                                            | 100             | 101             | 96               |
| 500-259162-2      | MP-13 (067-071)-202410 | 99                                             | 95              | 105             | 94               |
| 500-259162-3      | MP-13 (081-085)-202410 | 101                                            | 97              | 103             | 94               |
| 500-259162-4      | MP-13 (102-106)-202410 | 101                                            | 96              | 104             | 94               |
| 500-259162-5      | MP-13 (121-125)-202410 | 101                                            | 101             | 100             | 102              |
| 500-259162-6      | MP-13 (135-139)-202410 | 103                                            | 101             | 99              | 100              |
| 500-259162-7      | MP-13 (163-167)-202410 | 103                                            | 98              | 100             | 101              |
| 500-259162-8      | MP-14 (100-105)-202410 | 99                                             | 98              | 104             | 95               |
| 500-259162-9      | MP-14 (135-140)-202410 | 100                                            | 96              | 104             | 95               |
| 500-259162-10     | MP-14 (170-178)-202410 | 104                                            | 100             | 102             | 101              |
| 500-259162-11     | MP-15 (088-092)-202410 | 106                                            | 101             | 99              | 103              |
| 500-259162-12     | MP-15 (100-105)-202410 | 101                                            | 96              | 103             | 94               |
| 500-259162-13     | MP-15 (120-125)-202410 | 101                                            | 98              | 104             | 94               |
| 500-259162-14     | MP-15 (142-146)-202410 | 101                                            | 97              | 105             | 94               |
| 500-259162-15     | MP-15 (177-187)-202410 | 98                                             | 96              | 102             | 94               |
| 500-259162-16     | MP-16 (106-116)-202410 | 99                                             | 95              | 105             | 95               |
| 500-259162-17     | MP-16 (140-144)-202410 | 100                                            | 96              | 104             | 93               |
| 500-259162-18     | MP-16 (175-179)-202410 | 106                                            | 91              | 101             | 103              |
| 500-259162-19     | MW-01-202410           | 95                                             | 97              | 112             | 91               |
| 500-259162-20     | MW-2D-202410           | 95                                             | 97              | 111             | 91               |
| 500-259162-21     | MW-03D-202410          | 99                                             | 101             | 104             | 94               |
| 500-259162-22     | MW-03D2-202410         | 96                                             | 96              | 110             | 92               |
| 500-259162-23     | MW-03D3-202410         | 96                                             | 97              | 110             | 93               |
| 500-259162-23 MS  | MW-03D3-202410         | 98                                             | 96              | 103             | 98               |
| 500-259162-23 MSD | MW-03D3-202410         | 100                                            | 97              | 106             | 98               |
| 500-259162-24     | MW-03S-202410          | 97                                             | 99              | 106             | 91               |
| 500-259162-25     | MW-04D2-202410         | 98                                             | 99              | 111             | 94               |
| 500-259162-26     | MW-05D-202410          | 96                                             | 100             | 106             | 92               |
| 500-259162-27     | MW-05D2-202410         | 95                                             | 97              | 112             | 92               |
| 500-259162-28     | MW-05D3-202410         | 97                                             | 96              | 110             | 95               |
| 500-259162-28 MS  | MW-05D3-202410         | 97                                             | 100             | 107             | 99               |
| 500-259162-28 MSD | MW-05D3-202410         | 94                                             | 96              | 105             | 98               |
| 500-259162-29     | MW-05S-202410          | 96                                             | 97              | 110             | 92               |
| 500-259162-30     | MW-06D-202410          | 98                                             | 100             | 103             | 100              |
| 500-259162-31     | MW-06S-202410          | 97                                             | 100             | 102             | 99               |
| 500-259162-32     | MW-09D-202410          | 103                                            | 91              | 101             | 100              |
| 500-259162-33     | MW-09D2-202410         | 103                                            | 92              | 101             | 102              |
| 500-259162-34     | MW-17-202410           | 97                                             | 99              | 100             | 99               |
| 500-259162-35     | MW-25D-202410          | 109                                            | 103             | 103             | 102              |
| 500-259162-36     | MW-25D2-202410         | 98                                             | 98              | 100             | 101              |
| 500-259162-36 MS  | MW-25D2-202410         | 98                                             | 100             | 101             | 100              |
| 500-259162-36 MSD | MW-25D2-202410         | 103                                            | 101             | 102             | 100              |
| 500-259162-37     | MW-27D-202410          | 97                                             | 98              | 104             | 100              |
| 500-259162-38     | MW-27D2-202410         | 95                                             | 101             | 103             | 100              |
| 500-259162-39     | MW-28-202410           | 95                                             | 96              | 109             | 91               |
| 500-259162-40     | DUP-01-202410          | 92                                             | 98              | 103             | 100              |
| 500-259162-41     | DUP-02-202410          | 106                                            | 91              | 100             | 103              |
| 500-259162-42     | DUP-03-202410          | 108                                            | 92              | 100             | 104              |
| 500-259162-43     | DUP-04-202410          | 104                                            | 92              | 101             | 103              |

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# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                  |
|-------------------|------------------------|------------------------------------------------|-----------------|-----------------|------------------|
|                   |                        | DCA<br>(70-127)                                | BFB<br>(78-120) | TOL<br>(80-125) | DBFM<br>(77-120) |
| 500-259162-44     | EB-01-202410           | 105                                            | 90              | 100             | 102              |
| 500-259162-45     | TRIP BLANK-202410      | 104                                            | 91              | 101             | 101              |
| LCS 280-673258/4  | Lab Control Sample     | 99                                             | 95              | 98              | 101              |
| LCS 280-673258/6  | Lab Control Sample     | 100                                            | 97              | 105             | 95               |
| LCS 280-673539/4  | Lab Control Sample     | 104                                            | 94              | 99              | 100              |
| LCS 280-673539/6  | Lab Control Sample     | 104                                            | 95              | 102             | 99               |
| LCS 280-673671/4  | Lab Control Sample     | 105                                            | 100             | 100             | 103              |
| LCS 280-673671/6  | Lab Control Sample     | 104                                            | 103             | 99              | 103              |
| LCS 280-673689/4  | Lab Control Sample     | 98                                             | 102             | 102             | 99               |
| LCS 280-673689/6  | Lab Control Sample     | 94                                             | 102             | 104             | 99               |
| LCS 280-673877/4  | Lab Control Sample     | 101                                            | 93              | 100             | 100              |
| LCS 280-673877/6  | Lab Control Sample     | 105                                            | 94              | 100             | 102              |
| LCS 280-673881/4  | Lab Control Sample     | 97                                             | 96              | 103             | 99               |
| LCS 280-673881/6  | Lab Control Sample     | 104                                            | 100             | 105             | 92               |
| LCSD 280-673258/5 | Lab Control Sample Dup | 98                                             | 97              | 100             | 100              |
| LCSD 280-673258/7 | Lab Control Sample Dup | 99                                             | 96              | 104             | 96               |
| LCSD 280-673539/5 | Lab Control Sample Dup | 106                                            | 95              | 101             | 101              |
| LCSD 280-673539/7 | Lab Control Sample Dup | 106                                            | 94              | 103             | 100              |
| LCSD 280-673671/5 | Lab Control Sample Dup | 101                                            | 105             | 102             | 102              |
| LCSD 280-673671/7 | Lab Control Sample Dup | 103                                            | 99              | 102             | 101              |
| LCSD 280-673689/5 | Lab Control Sample Dup | 98                                             | 99              | 101             | 97               |
| LCSD 280-673689/7 | Lab Control Sample Dup | 96                                             | 100             | 99              | 100              |
| LCSD 280-673877/5 | Lab Control Sample Dup | 104                                            | 92              | 101             | 101              |
| LCSD 280-673877/7 | Lab Control Sample Dup | 104                                            | 93              | 101             | 102              |
| LCSD 280-673881/5 | Lab Control Sample Dup | 95                                             | 98              | 105             | 100              |
| LCSD 280-673881/7 | Lab Control Sample Dup | 105                                            | 95              | 105             | 95               |
| MB 280-673258/9   | Method Blank           | 100                                            | 95              | 102             | 94               |
| MB 280-673539/9   | Method Blank           | 101                                            | 92              | 103             | 100              |
| MB 280-673671/9   | Method Blank           | 104                                            | 97              | 99              | 105              |
| MB 280-673689/9   | Method Blank           | 95                                             | 101             | 100             | 99               |
| MB 280-673877/9   | Method Blank           | 103                                            | 93              | 101             | 102              |
| MB 280-673881/9   | Method Blank           | 97                                             | 97              | 108             | 92               |

## Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 280-673258/9

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1,1-Trichloroethane                 | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73     |              | 3.0 | 0.73  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1,2-Trichloroethane                 | <0.27     |              | 1.0 | 0.27  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1-Dichloroethane                    | <0.22     |              | 1.0 | 0.22  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1-Dichloroethene                    | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,1-Dichloropropene                   | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2      |              | 4.0 | 1.2   | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2,3-Trichloropropane                | <0.28     |              | 2.5 | 0.28  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58     |              | 1.0 | 0.58  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15     |              | 1.0 | 0.15  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42     |              | 5.0 | 0.42  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2-Dibromoethane                     | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2-Dichlorobenzene                   | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2-Dichloroethane                    | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,2-Dichloropropane                   | <0.24     |              | 1.0 | 0.24  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12     |              | 1.0 | 0.12  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,3-Dichlorobenzene                   | <0.33     |              | 1.0 | 0.33  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,3-Dichloropropane                   | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 1,4-Dichlorobenzene                   | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 2,2-Dichloropropane                   | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 2-Butanone (MEK)                      | <4.6      |              | 10  | 4.6   | ug/L |   |          | 10/31/24 19:58 | 1       |
| 2-Chlorotoluene                       | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 2-Hexanone                            | <0.81     |              | 5.0 | 0.81  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 4-Chlorotoluene                       | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 10/31/24 19:58 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98     |              | 5.0 | 0.98  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Acetone                               | <6.6      |              | 15  | 6.6   | ug/L |   |          | 10/31/24 19:58 | 1       |
| Benzene                               | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Bromobenzene                          | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Bromochloromethane                    | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Bromodichloromethane                  | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Bromoform                             | <0.25     |              | 2.0 | 0.25  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Bromomethane                          | <2.4      |              | 5.0 | 2.4   | ug/L |   |          | 10/31/24 19:58 | 1       |
| Carbon disulfide                      | <0.26     |              | 2.0 | 0.26  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Carbon tetrachloride                  | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Chlorobenzene                         | <0.092    |              | 1.0 | 0.092 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Chloroethane                          | <0.64     |              | 2.0 | 0.64  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Chloroform                            | <0.36     |              | 1.0 | 0.36  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Chloromethane                         | <0.23     |              | 2.0 | 0.23  | ug/L |   |          | 10/31/24 19:58 | 1       |
| cis-1,2-Dichloroethene                | <0.32     |              | 1.0 | 0.32  | ug/L |   |          | 10/31/24 19:58 | 1       |
| cis-1,3-Dichloropropene               | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Dibromochloromethane                  | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Dibromomethane                        | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Dichlorodifluoromethane               | <0.30     |              | 2.0 | 0.30  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Diisopropyl ether                     | <1.1      |              | 10  | 1.1   | ug/L |   |          | 10/31/24 19:58 | 1       |
| Ethylbenzene                          | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 10/31/24 19:58 | 1       |
| Hexachlorobutadiene                   | <0.53     |              | 2.0 | 0.53  | ug/L |   |          | 10/31/24 19:58 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673258/9

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Isopropylbenzene          | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Methyl tert-butyl ether   | <0.25     |              | 5.0 | 0.25 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Methylene Chloride        | <0.94     |              | 2.0 | 0.94 | ug/L |   |          | 10/31/24 19:58 | 1       |
| m-Xylene & p-Xylene       | <0.36     |              | 2.0 | 0.36 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Naphthalene               | <0.99     |              | 3.0 | 0.99 | ug/L |   |          | 10/31/24 19:58 | 1       |
| n-Butylbenzene            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 10/31/24 19:58 | 1       |
| n-Hexane                  | <0.16     |              | 2.0 | 0.16 | ug/L |   |          | 10/31/24 19:58 | 1       |
| N-Propylbenzene           | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 10/31/24 19:58 | 1       |
| o-Xylene                  | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 10/31/24 19:58 | 1       |
| p-Isopropyltoluene        | <0.19     |              | 1.0 | 0.19 | ug/L |   |          | 10/31/24 19:58 | 1       |
| sec-Butylbenzene          | <0.20     |              | 1.0 | 0.20 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Styrene                   | <0.13     |              | 1.0 | 0.13 | ug/L |   |          | 10/31/24 19:58 | 1       |
| tert-Butylbenzene         | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Tetrachloroethene         | <0.40     |              | 1.0 | 0.40 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Tetrahydrofuran           | <0.84     |              | 7.0 | 0.84 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Toluene                   | <0.32     |              | 1.0 | 0.32 | ug/L |   |          | 10/31/24 19:58 | 1       |
| trans-1,2-Dichloroethene  | <0.37     |              | 1.0 | 0.37 | ug/L |   |          | 10/31/24 19:58 | 1       |
| trans-1,3-Dichloropropene | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Trichloroethene           | <0.30     |              | 1.0 | 0.30 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Trichlorofluoromethane    | <0.20     |              | 2.0 | 0.20 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Vinyl chloride            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 10/31/24 19:58 | 1       |
| Xylenes, Total            | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 10/31/24 19:58 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100          |              | 70 - 127 |          | 10/31/24 19:58 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95           |              | 78 - 120 |          | 10/31/24 19:58 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 125 |          | 10/31/24 19:58 | 1       |
| Dibromofluoromethane (Surr)  | 94           |              | 77 - 120 |          | 10/31/24 19:58 | 1       |

Lab Sample ID: LCS 280-673258/4

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 48.3       |               | ug/L |   | 97   | 80 - 124    |
| 1,1,1-Trichloroethane                 | 50.0        | 53.1       |               | ug/L |   | 106  | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 40.9       |               | ug/L |   | 82   | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 56.0       |               | ug/L |   | 112  | 73 - 132    |
| 1,1,2-Trichloroethane                 | 50.0        | 52.4       |               | ug/L |   | 105  | 80 - 120    |
| 1,1-Dichloroethane                    | 50.0        | 54.2       |               | ug/L |   | 108  | 78 - 121    |
| 1,1-Dichloroethene                    | 50.0        | 53.1       |               | ug/L |   | 106  | 77 - 121    |
| 1,1-Dichloropropene                   | 50.0        | 52.7       |               | ug/L |   | 105  | 77 - 123    |
| 1,2,3-Trichlorobenzene                | 50.0        | 49.4       |               | ug/L |   | 99   | 65 - 129    |
| 1,2,3-Trichloropropane                | 50.0        | 51.4       |               | ug/L |   | 103  | 80 - 120    |
| 1,2,4-Trichlorobenzene                | 50.0        | 47.2       |               | ug/L |   | 94   | 74 - 126    |
| 1,2,4-Trimethylbenzene                | 50.0        | 45.8       |               | ug/L |   | 92   | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 48.2       |               | ug/L |   | 96   | 73 - 128    |
| 1,2-Dibromoethane                     | 50.0        | 49.5       |               | ug/L |   | 99   | 80 - 120    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673258/4

Matrix: Water

Analysis Batch: 673258

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

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,2-Dichlorobenzene         | 50.0        | 47.4       |               | ug/L |   | 95   | 80 - 120    |
| 1,2-Dichloroethane          | 50.0        | 50.4       |               | ug/L |   | 101  | 71 - 121    |
| 1,2-Dichloropropane         | 50.0        | 52.7       |               | ug/L |   | 105  | 78 - 120    |
| 1,3,5-Trimethylbenzene      | 50.0        | 46.8       |               | ug/L |   | 94   | 80 - 122    |
| 1,3-Dichlorobenzene         | 50.0        | 45.4       |               | ug/L |   | 91   | 80 - 120    |
| 1,3-Dichloropropane         | 50.0        | 49.8       |               | ug/L |   | 100  | 77 - 122    |
| 1,4-Dichlorobenzene         | 50.0        | 48.0       |               | ug/L |   | 96   | 80 - 120    |
| 2,2-Dichloropropane         | 50.0        | 55.9       |               | ug/L |   | 112  | 75 - 131    |
| 2-Butanone (MEK)            | 200         | 229        |               | ug/L |   | 114  | 58 - 135    |
| 2-Chlorotoluene             | 50.0        | 46.5       |               | ug/L |   | 93   | 80 - 120    |
| 2-Hexanone                  | 200         | 223        |               | ug/L |   | 112  | 62 - 137    |
| 4-Chlorotoluene             | 50.0        | 46.5       |               | ug/L |   | 93   | 80 - 120    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 233        |               | ug/L |   | 116  | 66 - 135    |
| Acetone                     | 200         | 235        |               | ug/L |   | 118  | 61 - 134    |
| Benzene                     | 50.0        | 51.8       |               | ug/L |   | 104  | 80 - 120    |
| Bromobenzene                | 50.0        | 45.6       |               | ug/L |   | 91   | 80 - 120    |
| Bromochloromethane          | 50.0        | 55.4       |               | ug/L |   | 111  | 80 - 123    |
| Bromodichloromethane        | 50.0        | 46.5       |               | ug/L |   | 93   | 80 - 123    |
| Bromoform                   | 50.0        | 43.3       |               | ug/L |   | 87   | 79 - 138    |
| Bromomethane                | 50.0        | 55.6       |               | ug/L |   | 111  | 29 - 148    |
| Carbon disulfide            | 50.0        | 51.7       |               | ug/L |   | 103  | 70 - 121    |
| Carbon tetrachloride        | 50.0        | 50.8       |               | ug/L |   | 102  | 79 - 127    |
| Chlorobenzene               | 50.0        | 48.1       |               | ug/L |   | 96   | 80 - 120    |
| Chloroethane                | 50.0        | 55.4       |               | ug/L |   | 111  | 56 - 141    |
| Chloroform                  | 50.0        | 51.4       |               | ug/L |   | 103  | 80 - 120    |
| Chloromethane               | 50.0        | 60.4       |               | ug/L |   | 121  | 56 - 133    |
| cis-1,2-Dichloroethene      | 50.0        | 52.1       |               | ug/L |   | 104  | 80 - 120    |
| cis-1,3-Dichloropropene     | 50.0        | 52.0       |               | ug/L |   | 104  | 76 - 129    |
| Dibromochloromethane        | 50.0        | 43.9       |               | ug/L |   | 88   | 80 - 125    |
| Dibromomethane              | 50.0        | 51.6       |               | ug/L |   | 103  | 80 - 120    |
| Dichlorodifluoromethane     | 50.0        | 56.2       |               | ug/L |   | 112  | 47 - 135    |
| Ethylbenzene                | 50.0        | 48.1       |               | ug/L |   | 96   | 80 - 120    |
| Hexachlorobutadiene         | 50.0        | 45.6       |               | ug/L |   | 91   | 73 - 128    |
| Isopropylbenzene            | 50.0        | 47.4       |               | ug/L |   | 95   | 78 - 122    |
| Methyl tert-butyl ether     | 50.0        | 53.7       |               | ug/L |   | 107  | 80 - 120    |
| Methylene Chloride          | 50.0        | 52.7       |               | ug/L |   | 105  | 78 - 120    |
| m-Xylene & p-Xylene         | 50.0        | 49.9       |               | ug/L |   | 100  | 80 - 120    |
| Naphthalene                 | 50.0        | 48.4       |               | ug/L |   | 97   | 60 - 124    |
| n-Butylbenzene              | 50.0        | 46.5       |               | ug/L |   | 93   | 59 - 140    |
| n-Hexane                    | 50.0        | 50.2       |               | ug/L |   | 100  | 55 - 143    |
| N-Propylbenzene             | 50.0        | 46.5       |               | ug/L |   | 93   | 80 - 123    |
| o-Xylene                    | 50.0        | 48.8       |               | ug/L |   | 98   | 80 - 120    |
| p-Isopropyltoluene          | 50.0        | 47.3       |               | ug/L |   | 95   | 80 - 122    |
| sec-Butylbenzene            | 50.0        | 46.3       |               | ug/L |   | 93   | 80 - 123    |
| Styrene                     | 50.0        | 49.5       |               | ug/L |   | 99   | 80 - 120    |
| tert-Butylbenzene           | 50.0        | 47.3       |               | ug/L |   | 95   | 80 - 120    |
| Tetrachloroethene           | 50.0        | 49.6       |               | ug/L |   | 99   | 80 - 121    |
| Tetrahydrofuran             | 100         | 110        |               | ug/L |   | 110  | 62 - 130    |
| Toluene                     | 50.0        | 51.2       |               | ug/L |   | 102  | 80 - 120    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673258/4

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| trans-1,2-Dichloroethene  | 50.0        | 51.8       |               | ug/L |   | 104  | 79 - 121    |
| trans-1,3-Dichloropropene | 50.0        | 45.5       |               | ug/L |   | 91   | 80 - 123    |
| Trichloroethene           | 50.0        | 54.5       |               | ug/L |   | 109  | 80 - 120    |
| Trichlorofluoromethane    | 50.0        | 56.7       |               | ug/L |   | 113  | 54 - 144    |
| Vinyl chloride            | 50.0        | 56.3       |               | ug/L |   | 113  | 67 - 127    |
| Xylenes, Total            | 100         | 98.7       |               | ug/L |   | 99   | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 95            |               | 78 - 120 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 101           |               | 77 - 120 |

Lab Sample ID: LCS 280-673258/6

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------|-------------|------------|---------------|------|---|------|-------------|
| Diisopropyl ether | 25.0        | 26.9       |               | ug/L |   | 108  | 63 - 128    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 97            |               | 78 - 120 |
| Toluene-d8 (Surr)            | 105           |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 95            |               | 77 - 120 |

Lab Sample ID: LCSD 280-673258/5

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 50.3        |                | ug/L |   | 101  | 80 - 124    | 4   | 20        |
| 1,1,1-Trichloroethane                 | 50.0        | 52.3        |                | ug/L |   | 105  | 80 - 123    | 2   | 20        |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 40.7        |                | ug/L |   | 81   | 74 - 123    | 1   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 56.1        |                | ug/L |   | 112  | 73 - 132    | 0   | 23        |
| 1,1,2-Trichloroethane                 | 50.0        | 50.7        |                | ug/L |   | 101  | 80 - 120    | 3   | 20        |
| 1,1-Dichloroethane                    | 50.0        | 53.1        |                | ug/L |   | 106  | 78 - 121    | 2   | 20        |
| 1,1-Dichloroethene                    | 50.0        | 53.2        |                | ug/L |   | 106  | 77 - 121    | 0   | 21        |
| 1,1-Dichloropropene                   | 50.0        | 51.7        |                | ug/L |   | 103  | 77 - 123    | 2   | 20        |
| 1,2,3-Trichlorobenzene                | 50.0        | 48.8        |                | ug/L |   | 98   | 65 - 129    | 1   | 20        |
| 1,2,3-Trichloropropane                | 50.0        | 51.3        |                | ug/L |   | 103  | 80 - 120    | 0   | 20        |
| 1,2,4-Trichlorobenzene                | 50.0        | 48.5        |                | ug/L |   | 97   | 74 - 126    | 3   | 20        |
| 1,2,4-Trimethylbenzene                | 50.0        | 46.8        |                | ug/L |   | 94   | 79 - 124    | 2   | 20        |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 45.5        |                | ug/L |   | 91   | 73 - 128    | 6   | 21        |
| 1,2-Dibromoethane                     | 50.0        | 50.1        |                | ug/L |   | 100  | 80 - 120    | 1   | 20        |
| 1,2-Dichlorobenzene                   | 50.0        | 47.3        |                | ug/L |   | 95   | 80 - 120    | 0   | 20        |
| 1,2-Dichloroethane                    | 50.0        | 49.5        |                | ug/L |   | 99   | 71 - 121    | 2   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673258/5

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,2-Dichloropropane         | 50.0        | 51.5        |                | ug/L |   | 103  | 78 - 120    | 2   | 20        |
| 1,3,5-Trimethylbenzene      | 50.0        | 47.3        |                | ug/L |   | 95   | 80 - 122    | 1   | 20        |
| 1,3-Dichlorobenzene         | 50.0        | 45.8        |                | ug/L |   | 92   | 80 - 120    | 1   | 20        |
| 1,3-Dichloropropane         | 50.0        | 50.5        |                | ug/L |   | 101  | 77 - 122    | 1   | 20        |
| 1,4-Dichlorobenzene         | 50.0        | 48.2        |                | ug/L |   | 96   | 80 - 120    | 0   | 20        |
| 2,2-Dichloropropane         | 50.0        | 53.3        |                | ug/L |   | 107  | 75 - 131    | 5   | 22        |
| 2-Butanone (MEK)            | 200         | 209         |                | ug/L |   | 104  | 58 - 135    | 9   | 20        |
| 2-Chlorotoluene             | 50.0        | 47.7        |                | ug/L |   | 95   | 80 - 120    | 3   | 20        |
| 2-Hexanone                  | 200         | 210         |                | ug/L |   | 105  | 62 - 137    | 6   | 21        |
| 4-Chlorotoluene             | 50.0        | 47.2        |                | ug/L |   | 94   | 80 - 120    | 1   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 200         | 216         |                | ug/L |   | 108  | 66 - 135    | 7   | 20        |
| Acetone                     | 200         | 215         |                | ug/L |   | 108  | 61 - 134    | 9   | 21        |
| Benzene                     | 50.0        | 50.6        |                | ug/L |   | 101  | 80 - 120    | 2   | 20        |
| Bromobenzene                | 50.0        | 47.7        |                | ug/L |   | 95   | 80 - 120    | 4   | 20        |
| Bromochloromethane          | 50.0        | 52.9        |                | ug/L |   | 106  | 80 - 123    | 5   | 20        |
| Bromodichloromethane        | 50.0        | 46.1        |                | ug/L |   | 92   | 80 - 123    | 1   | 20        |
| Bromoform                   | 50.0        | 43.8        |                | ug/L |   | 88   | 79 - 138    | 1   | 20        |
| Bromomethane                | 50.0        | 57.9        |                | ug/L |   | 116  | 29 - 148    | 4   | 40        |
| Carbon disulfide            | 50.0        | 51.5        |                | ug/L |   | 103  | 70 - 121    | 1   | 20        |
| Carbon tetrachloride        | 50.0        | 50.9        |                | ug/L |   | 102  | 79 - 127    | 0   | 20        |
| Chlorobenzene               | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 120    | 1   | 20        |
| Chloroethane                | 50.0        | 57.8        |                | ug/L |   | 116  | 56 - 141    | 4   | 30        |
| Chloroform                  | 50.0        | 50.5        |                | ug/L |   | 101  | 80 - 120    | 2   | 20        |
| Chloromethane               | 50.0        | 59.3        |                | ug/L |   | 119  | 56 - 133    | 2   | 20        |
| cis-1,2-Dichloroethene      | 50.0        | 51.0        |                | ug/L |   | 102  | 80 - 120    | 2   | 20        |
| cis-1,3-Dichloropropene     | 50.0        | 52.6        |                | ug/L |   | 105  | 76 - 129    | 1   | 20        |
| Dibromochloromethane        | 50.0        | 44.5        |                | ug/L |   | 89   | 80 - 125    | 1   | 20        |
| Dibromomethane              | 50.0        | 51.0        |                | ug/L |   | 102  | 80 - 120    | 1   | 20        |
| Dichlorodifluoromethane     | 50.0        | 58.7        |                | ug/L |   | 117  | 47 - 135    | 4   | 21        |
| Ethylbenzene                | 50.0        | 49.7        |                | ug/L |   | 99   | 80 - 120    | 3   | 20        |
| Hexachlorobutadiene         | 50.0        | 47.3        |                | ug/L |   | 95   | 73 - 128    | 4   | 20        |
| Isopropylbenzene            | 50.0        | 49.0        |                | ug/L |   | 98   | 78 - 122    | 3   | 20        |
| Methyl tert-butyl ether     | 50.0        | 51.6        |                | ug/L |   | 103  | 80 - 120    | 4   | 20        |
| Methylene Chloride          | 50.0        | 50.6        |                | ug/L |   | 101  | 78 - 120    | 4   | 20        |
| m-Xylene & p-Xylene         | 50.0        | 50.2        |                | ug/L |   | 100  | 80 - 120    | 1   | 20        |
| Naphthalene                 | 50.0        | 47.4        |                | ug/L |   | 95   | 60 - 124    | 2   | 21        |
| n-Butylbenzene              | 50.0        | 47.1        |                | ug/L |   | 94   | 59 - 140    | 1   | 20        |
| n-Hexane                    | 50.0        | 51.0        |                | ug/L |   | 102  | 55 - 143    | 2   | 23        |
| N-Propylbenzene             | 50.0        | 48.0        |                | ug/L |   | 96   | 80 - 123    | 3   | 20        |
| o-Xylene                    | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 120    | 0   | 20        |
| p-Isopropyltoluene          | 50.0        | 47.3        |                | ug/L |   | 95   | 80 - 122    | 0   | 20        |
| sec-Butylbenzene            | 50.0        | 47.9        |                | ug/L |   | 96   | 80 - 123    | 3   | 20        |
| Styrene                     | 50.0        | 49.7        |                | ug/L |   | 99   | 80 - 120    | 0   | 20        |
| tert-Butylbenzene           | 50.0        | 48.8        |                | ug/L |   | 98   | 80 - 120    | 3   | 20        |
| Tetrachloroethene           | 50.0        | 51.5        |                | ug/L |   | 103  | 80 - 121    | 4   | 20        |
| Tetrahydrofuran             | 100         | 101         |                | ug/L |   | 101  | 62 - 130    | 8   | 20        |
| Toluene                     | 50.0        | 50.5        |                | ug/L |   | 101  | 80 - 120    | 1   | 20        |
| trans-1,2-Dichloroethene    | 50.0        | 50.5        |                | ug/L |   | 101  | 79 - 121    | 2   | 20        |
| trans-1,3-Dichloropropene   | 50.0        | 44.6        |                | ug/L |   | 89   | 80 - 123    | 2   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673258/5

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Trichloroethene        | 50.0        | 55.9        |                | ug/L |   | 112  | 80 - 120    | 3   | 20        |
| Trichlorofluoromethane | 50.0        | 60.8        |                | ug/L |   | 122  | 54 - 144    | 7   | 28        |
| Vinyl chloride         | 50.0        | 59.0        |                | ug/L |   | 118  | 67 - 127    | 5   | 25        |
| Xylenes, Total         | 100         | 98.9        |                | ug/L |   | 99   | 80 - 120    | 0   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98             |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 97             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 100            |                | 77 - 120 |

Lab Sample ID: LCSD 280-673258/7

Matrix: Water

Analysis Batch: 673258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Diisopropyl ether | 25.0        | 27.7        |                | ug/L |   | 111  | 63 - 128    | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 99             |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 96             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 104            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 96             |                | 77 - 120 |

Lab Sample ID: MB 280-673539/9

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1,1-Trichloroethane                 | <0.39     |              | 1.0 | 0.39 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1,1,2-Tetrachloroethane             | <0.21     |              | 1.0 | 0.21 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73     |              | 3.0 | 0.73 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1,2-Trichloroethane                 | <0.27     |              | 1.0 | 0.27 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1-Dichloroethane                    | <0.22     |              | 1.0 | 0.22 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1-Dichloroethene                    | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,1-Dichloropropene                   | <0.19     |              | 1.0 | 0.19 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2      |              | 4.0 | 1.2  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2,3-Trichloropropane                | <0.28     |              | 2.5 | 0.28 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58     |              | 1.0 | 0.58 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15     |              | 1.0 | 0.15 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42     |              | 5.0 | 0.42 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2-Dibromoethane                     | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2-Dichlorobenzene                   | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2-Dichloroethane                    | <0.28     |              | 1.0 | 0.28 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,2-Dichloropropane                   | <0.24     |              | 1.0 | 0.24 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12     |              | 1.0 | 0.12 | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,3-Dichlorobenzene                   | <0.33     |              | 1.0 | 0.33 | ug/L |   |          | 11/04/24 11:44 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673539/9

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|-------|------|---|----------|----------------|---------|
| 1,3-Dichloropropane         | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 1,4-Dichlorobenzene         | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 2,2-Dichloropropane         | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 2-Butanone (MEK)            | <4.6      |              | 10  | 4.6   | ug/L |   |          | 11/04/24 11:44 | 1       |
| 2-Chlorotoluene             | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 2-Hexanone                  | <0.81     |              | 5.0 | 0.81  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 4-Chlorotoluene             | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 11/04/24 11:44 | 1       |
| 4-Methyl-2-pentanone (MIBK) | <0.98     |              | 5.0 | 0.98  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Acetone                     | <6.6      |              | 15  | 6.6   | ug/L |   |          | 11/04/24 11:44 | 1       |
| Benzene                     | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Bromobenzene                | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Bromochloromethane          | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Bromodichloromethane        | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Bromoform                   | <0.25     |              | 2.0 | 0.25  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Bromomethane                | <2.4      |              | 5.0 | 2.4   | ug/L |   |          | 11/04/24 11:44 | 1       |
| Carbon disulfide            | <0.26     |              | 2.0 | 0.26  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Carbon tetrachloride        | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Chlorobenzene               | <0.092    |              | 1.0 | 0.092 | ug/L |   |          | 11/04/24 11:44 | 1       |
| Chloroethane                | <0.64     |              | 2.0 | 0.64  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Chloroform                  | <0.36     |              | 1.0 | 0.36  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Chloromethane               | <0.23     |              | 2.0 | 0.23  | ug/L |   |          | 11/04/24 11:44 | 1       |
| cis-1,2-Dichloroethene      | <0.32     |              | 1.0 | 0.32  | ug/L |   |          | 11/04/24 11:44 | 1       |
| cis-1,3-Dichloropropene     | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Dibromochloromethane        | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Dibromomethane              | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Dichlorodifluoromethane     | <0.30     |              | 2.0 | 0.30  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Diisopropyl ether           | <1.1      |              | 10  | 1.1   | ug/L |   |          | 11/04/24 11:44 | 1       |
| Ethylbenzene                | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Hexachlorobutadiene         | <0.53     |              | 2.0 | 0.53  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Isopropylbenzene            | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Methyl tert-butyl ether     | <0.25     |              | 5.0 | 0.25  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Methylene Chloride          | <0.94     |              | 2.0 | 0.94  | ug/L |   |          | 11/04/24 11:44 | 1       |
| m-Xylene & p-Xylene         | <0.36     |              | 2.0 | 0.36  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Naphthalene                 | <0.99     |              | 3.0 | 0.99  | ug/L |   |          | 11/04/24 11:44 | 1       |
| n-Butylbenzene              | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/04/24 11:44 | 1       |
| n-Hexane                    | <0.16     |              | 2.0 | 0.16  | ug/L |   |          | 11/04/24 11:44 | 1       |
| N-Propylbenzene             | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/04/24 11:44 | 1       |
| o-Xylene                    | <0.11     |              | 1.0 | 0.11  | ug/L |   |          | 11/04/24 11:44 | 1       |
| p-Isopropyltoluene          | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/04/24 11:44 | 1       |
| sec-Butylbenzene            | <0.20     |              | 1.0 | 0.20  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Styrene                     | <0.13     |              | 1.0 | 0.13  | ug/L |   |          | 11/04/24 11:44 | 1       |
| tert-Butylbenzene           | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Tetrachloroethene           | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Tetrahydrofuran             | <0.84     |              | 7.0 | 0.84  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Toluene                     | <0.32     |              | 1.0 | 0.32  | ug/L |   |          | 11/04/24 11:44 | 1       |
| trans-1,2-Dichloroethene    | <0.37     |              | 1.0 | 0.37  | ug/L |   |          | 11/04/24 11:44 | 1       |
| trans-1,3-Dichloropropene   | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Trichloroethene             | <0.30     |              | 1.0 | 0.30  | ug/L |   |          | 11/04/24 11:44 | 1       |
| Trichlorofluoromethane      | <0.20     |              | 2.0 | 0.20  | ug/L |   |          | 11/04/24 11:44 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673539/9

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | LOQ      | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|------|------|---|----------|----------------|---------|
| Vinyl chloride               | <0.23        |              | 1.0      | 0.23 | ug/L |   |          | 11/04/24 11:44 | 1       |
| Xylenes, Total               | <0.11        |              | 1.0      | 0.11 | ug/L |   |          | 11/04/24 11:44 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 101          |              | 70 - 127 |      |      |   |          | 11/04/24 11:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92           |              | 78 - 120 |      |      |   |          | 11/04/24 11:44 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 80 - 125 |      |      |   |          | 11/04/24 11:44 | 1       |
| Dibromofluoromethane (Surr)  | 100          |              | 77 - 120 |      |      |   |          | 11/04/24 11:44 | 1       |

Lab Sample ID: LCS 280-673539/4

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 45.9       |               | ug/L |   | 92   | 80 - 124    |
| 1,1,1-Trichloroethane                 | 50.0        | 46.6       |               | ug/L |   | 93   | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 48.2       |               | ug/L |   | 96   | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 46.0       |               | ug/L |   | 92   | 73 - 132    |
| 1,1,2-Trichloroethane                 | 50.0        | 46.0       |               | ug/L |   | 92   | 80 - 120    |
| 1,1-Dichloroethane                    | 50.0        | 47.9       |               | ug/L |   | 96   | 78 - 121    |
| 1,1-Dichloroethene                    | 50.0        | 45.0       |               | ug/L |   | 90   | 77 - 121    |
| 1,1-Dichloropropene                   | 50.0        | 48.1       |               | ug/L |   | 96   | 77 - 123    |
| 1,2,3-Trichlorobenzene                | 50.0        | 42.1       |               | ug/L |   | 84   | 65 - 129    |
| 1,2,3-Trichloropropane                | 50.0        | 46.3       |               | ug/L |   | 93   | 80 - 120    |
| 1,2,4-Trichlorobenzene                | 50.0        | 43.8       |               | ug/L |   | 88   | 74 - 126    |
| 1,2,4-Trimethylbenzene                | 50.0        | 49.2       |               | ug/L |   | 98   | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 38.3       |               | ug/L |   | 77   | 73 - 128    |
| 1,2-Dibromoethane                     | 50.0        | 46.2       |               | ug/L |   | 92   | 80 - 120    |
| 1,2-Dichlorobenzene                   | 50.0        | 48.8       |               | ug/L |   | 98   | 80 - 120    |
| 1,2-Dichloroethane                    | 50.0        | 49.3       |               | ug/L |   | 99   | 71 - 121    |
| 1,2-Dichloropropane                   | 50.0        | 47.7       |               | ug/L |   | 95   | 78 - 120    |
| 1,3,5-Trimethylbenzene                | 50.0        | 49.3       |               | ug/L |   | 99   | 80 - 122    |
| 1,3-Dichlorobenzene                   | 50.0        | 48.4       |               | ug/L |   | 97   | 80 - 120    |
| 1,3-Dichloropropane                   | 50.0        | 47.3       |               | ug/L |   | 95   | 77 - 122    |
| 1,4-Dichlorobenzene                   | 50.0        | 47.9       |               | ug/L |   | 96   | 80 - 120    |
| 2,2-Dichloropropane                   | 50.0        | 45.6       |               | ug/L |   | 91   | 75 - 131    |
| 2-Butanone (MEK)                      | 200         | 184        |               | ug/L |   | 92   | 58 - 135    |
| 2-Chlorotoluene                       | 50.0        | 47.5       |               | ug/L |   | 95   | 80 - 120    |
| 2-Hexanone                            | 200         | 184        |               | ug/L |   | 92   | 62 - 137    |
| 4-Chlorotoluene                       | 50.0        | 48.2       |               | ug/L |   | 96   | 80 - 120    |
| 4-Methyl-2-pentanone (MIBK)           | 200         | 186        |               | ug/L |   | 93   | 66 - 135    |
| Acetone                               | 200         | 180        |               | ug/L |   | 90   | 61 - 134    |
| Benzene                               | 50.0        | 46.8       |               | ug/L |   | 94   | 80 - 120    |
| Bromobenzene                          | 50.0        | 48.0       |               | ug/L |   | 96   | 80 - 120    |
| Bromochloromethane                    | 50.0        | 46.2       |               | ug/L |   | 92   | 80 - 123    |
| Bromodichloromethane                  | 50.0        | 47.7       |               | ug/L |   | 95   | 80 - 123    |
| Bromoform                             | 50.0        | 43.9       |               | ug/L |   | 88   | 79 - 138    |
| Bromomethane                          | 50.0        | 59.4       |               | ug/L |   | 119  | 29 - 148    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673539/4

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Carbon disulfide          | 50.0        | 45.7       |               | ug/L |   | 91   | 70 - 121    |
| Carbon tetrachloride      | 50.0        | 46.1       |               | ug/L |   | 92   | 79 - 127    |
| Chlorobenzene             | 50.0        | 48.0       |               | ug/L |   | 96   | 80 - 120    |
| Chloroethane              | 50.0        | 42.5       |               | ug/L |   | 85   | 56 - 141    |
| Chloroform                | 50.0        | 48.5       |               | ug/L |   | 97   | 80 - 120    |
| Chloromethane             | 50.0        | 48.2       |               | ug/L |   | 96   | 56 - 133    |
| cis-1,2-Dichloroethene    | 50.0        | 45.3       |               | ug/L |   | 91   | 80 - 120    |
| cis-1,3-Dichloropropene   | 50.0        | 45.2       |               | ug/L |   | 90   | 76 - 129    |
| Dibromochloromethane      | 50.0        | 45.3       |               | ug/L |   | 91   | 80 - 125    |
| Dibromomethane            | 50.0        | 47.5       |               | ug/L |   | 95   | 80 - 120    |
| Dichlorodifluoromethane   | 50.0        | 36.6       |               | ug/L |   | 73   | 47 - 135    |
| Ethylbenzene              | 50.0        | 47.3       |               | ug/L |   | 95   | 80 - 120    |
| Hexachlorobutadiene       | 50.0        | 44.8       |               | ug/L |   | 90   | 73 - 128    |
| Isopropylbenzene          | 50.0        | 47.9       |               | ug/L |   | 96   | 78 - 122    |
| Methyl tert-butyl ether   | 50.0        | 42.7       |               | ug/L |   | 85   | 80 - 120    |
| Methylene Chloride        | 50.0        | 46.6       |               | ug/L |   | 93   | 78 - 120    |
| m-Xylene & p-Xylene       | 50.0        | 47.3       |               | ug/L |   | 95   | 80 - 120    |
| Naphthalene               | 50.0        | 41.5       |               | ug/L |   | 83   | 60 - 124    |
| n-Butylbenzene            | 50.0        | 52.1       |               | ug/L |   | 104  | 59 - 140    |
| n-Hexane                  | 50.0        | 48.1       |               | ug/L |   | 96   | 55 - 143    |
| N-Propylbenzene           | 50.0        | 48.5       |               | ug/L |   | 97   | 80 - 123    |
| o-Xylene                  | 50.0        | 48.2       |               | ug/L |   | 96   | 80 - 120    |
| p-Isopropyltoluene        | 50.0        | 49.5       |               | ug/L |   | 99   | 80 - 122    |
| sec-Butylbenzene          | 50.0        | 48.1       |               | ug/L |   | 96   | 80 - 123    |
| Styrene                   | 50.0        | 48.1       |               | ug/L |   | 96   | 80 - 120    |
| tert-Butylbenzene         | 50.0        | 48.7       |               | ug/L |   | 97   | 80 - 120    |
| Tetrachloroethene         | 50.0        | 45.2       |               | ug/L |   | 90   | 80 - 121    |
| Tetrahydrofuran           | 100         | 87.4       |               | ug/L |   | 87   | 62 - 130    |
| Toluene                   | 50.0        | 48.6       |               | ug/L |   | 97   | 80 - 120    |
| trans-1,2-Dichloroethene  | 50.0        | 45.6       |               | ug/L |   | 91   | 79 - 121    |
| trans-1,3-Dichloropropene | 50.0        | 46.2       |               | ug/L |   | 92   | 80 - 123    |
| Trichloroethene           | 50.0        | 44.5       |               | ug/L |   | 89   | 80 - 120    |
| Trichlorofluoromethane    | 50.0        | 44.4       |               | ug/L |   | 89   | 54 - 144    |
| Vinyl chloride            | 50.0        | 53.7       |               | ug/L |   | 107  | 67 - 127    |
| Xylenes, Total            | 100         | 95.5       |               | ug/L |   | 96   | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 94            |               | 78 - 120 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 100           |               | 77 - 120 |

Lab Sample ID: LCS 280-673539/6

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------|-------------|------------|---------------|------|---|------|-------------|
| Diisopropyl ether | 25.0        | 21.4       |               | ug/L |   | 86   | 63 - 128    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673539/6

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104              |                  | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 95               |                  | 78 - 120 |
| Toluene-d8 (Surr)            | 102              |                  | 80 - 125 |
| Dibromofluoromethane (Surr)  | 99               |                  | 77 - 120 |

Lab Sample ID: LCSD 280-673539/5

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 50.0           | 47.0           |                   | ug/L |   | 94   | 80 - 124       | 2   | 20           |
| 1,1,1-Trichloroethane                 | 50.0           | 46.5           |                   | ug/L |   | 93   | 80 - 123       | 0   | 20           |
| 1,1,2,2-Tetrachloroethane             | 50.0           | 49.1           |                   | ug/L |   | 98   | 74 - 123       | 2   | 20           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0           | 43.0           |                   | ug/L |   | 86   | 73 - 132       | 7   | 23           |
| 1,1,2-Trichloroethane                 | 50.0           | 46.8           |                   | ug/L |   | 94   | 80 - 120       | 2   | 20           |
| 1,1-Dichloroethane                    | 50.0           | 48.6           |                   | ug/L |   | 97   | 78 - 121       | 1   | 20           |
| 1,1-Dichloroethene                    | 50.0           | 43.9           |                   | ug/L |   | 88   | 77 - 121       | 2   | 21           |
| 1,1-Dichloropropene                   | 50.0           | 47.7           |                   | ug/L |   | 95   | 77 - 123       | 1   | 20           |
| 1,2,3-Trichlorobenzene                | 50.0           | 47.8           |                   | ug/L |   | 96   | 65 - 129       | 13  | 20           |
| 1,2,3-Trichloropropane                | 50.0           | 47.7           |                   | ug/L |   | 95   | 80 - 120       | 3   | 20           |
| 1,2,4-Trichlorobenzene                | 50.0           | 45.8           |                   | ug/L |   | 92   | 74 - 126       | 4   | 20           |
| 1,2,4-Trimethylbenzene                | 50.0           | 50.0           |                   | ug/L |   | 100  | 79 - 124       | 2   | 20           |
| 1,2-Dibromo-3-Chloropropane           | 50.0           | 41.2           |                   | ug/L |   | 82   | 73 - 128       | 8   | 21           |
| 1,2-Dibromoethane                     | 50.0           | 47.6           |                   | ug/L |   | 95   | 80 - 120       | 3   | 20           |
| 1,2-Dichlorobenzene                   | 50.0           | 49.2           |                   | ug/L |   | 98   | 80 - 120       | 1   | 20           |
| 1,2-Dichloroethane                    | 50.0           | 50.3           |                   | ug/L |   | 101  | 71 - 121       | 2   | 20           |
| 1,2-Dichloropropane                   | 50.0           | 47.6           |                   | ug/L |   | 95   | 78 - 120       | 0   | 20           |
| 1,3,5-Trimethylbenzene                | 50.0           | 49.7           |                   | ug/L |   | 99   | 80 - 122       | 1   | 20           |
| 1,3-Dichlorobenzene                   | 50.0           | 49.4           |                   | ug/L |   | 99   | 80 - 120       | 2   | 20           |
| 1,3-Dichloropropane                   | 50.0           | 48.5           |                   | ug/L |   | 97   | 77 - 122       | 2   | 20           |
| 1,4-Dichlorobenzene                   | 50.0           | 48.5           |                   | ug/L |   | 97   | 80 - 120       | 1   | 20           |
| 2,2-Dichloropropane                   | 50.0           | 45.0           |                   | ug/L |   | 90   | 75 - 131       | 1   | 22           |
| 2-Butanone (MEK)                      | 200            | 190            |                   | ug/L |   | 95   | 58 - 135       | 3   | 20           |
| 2-Chlorotoluene                       | 50.0           | 47.7           |                   | ug/L |   | 95   | 80 - 120       | 0   | 20           |
| 2-Hexanone                            | 200            | 189            |                   | ug/L |   | 95   | 62 - 137       | 3   | 21           |
| 4-Chlorotoluene                       | 50.0           | 48.5           |                   | ug/L |   | 97   | 80 - 120       | 1   | 20           |
| 4-Methyl-2-pentanone (MIBK)           | 200            | 190            |                   | ug/L |   | 95   | 66 - 135       | 2   | 20           |
| Acetone                               | 200            | 184            |                   | ug/L |   | 92   | 61 - 134       | 2   | 21           |
| Benzene                               | 50.0           | 47.3           |                   | ug/L |   | 95   | 80 - 120       | 1   | 20           |
| Bromobenzene                          | 50.0           | 48.1           |                   | ug/L |   | 96   | 80 - 120       | 0   | 20           |
| Bromochloromethane                    | 50.0           | 47.3           |                   | ug/L |   | 95   | 80 - 123       | 2   | 20           |
| Bromodichloromethane                  | 50.0           | 47.9           |                   | ug/L |   | 96   | 80 - 123       | 0   | 20           |
| Bromoform                             | 50.0           | 44.6           |                   | ug/L |   | 89   | 79 - 138       | 2   | 20           |
| Bromomethane                          | 50.0           | 62.6           |                   | ug/L |   | 125  | 29 - 148       | 5   | 40           |
| Carbon disulfide                      | 50.0           | 45.5           |                   | ug/L |   | 91   | 70 - 121       | 1   | 20           |
| Carbon tetrachloride                  | 50.0           | 45.6           |                   | ug/L |   | 91   | 79 - 127       | 1   | 20           |
| Chlorobenzene                         | 50.0           | 48.7           |                   | ug/L |   | 97   | 80 - 120       | 1   | 20           |
| Chloroethane                          | 50.0           | 44.9           |                   | ug/L |   | 90   | 56 - 141       | 6   | 30           |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673539/5

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloroform                | 50.0        | 49.0        |                | ug/L |   | 98   | 80 - 120    | 1   | 20        |
| Chloromethane             | 50.0        | 52.2        |                | ug/L |   | 104  | 56 - 133    | 8   | 20        |
| cis-1,2-Dichloroethene    | 50.0        | 45.8        |                | ug/L |   | 92   | 80 - 120    | 1   | 20        |
| cis-1,3-Dichloropropene   | 50.0        | 45.7        |                | ug/L |   | 91   | 76 - 129    | 1   | 20        |
| Dibromochloromethane      | 50.0        | 46.2        |                | ug/L |   | 92   | 80 - 125    | 2   | 20        |
| Dibromomethane            | 50.0        | 48.3        |                | ug/L |   | 97   | 80 - 120    | 2   | 20        |
| Dichlorodifluoromethane   | 50.0        | 35.5        |                | ug/L |   | 71   | 47 - 135    | 3   | 21        |
| Ethylbenzene              | 50.0        | 47.8        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |
| Hexachlorobutadiene       | 50.0        | 45.4        |                | ug/L |   | 91   | 73 - 128    | 1   | 20        |
| Isopropylbenzene          | 50.0        | 47.6        |                | ug/L |   | 95   | 78 - 122    | 1   | 20        |
| Methyl tert-butyl ether   | 50.0        | 43.8        |                | ug/L |   | 88   | 80 - 120    | 3   | 20        |
| Methylene Chloride        | 50.0        | 46.4        |                | ug/L |   | 93   | 78 - 120    | 0   | 20        |
| m-Xylene & p-Xylene       | 50.0        | 48.1        |                | ug/L |   | 96   | 80 - 120    | 2   | 20        |
| Naphthalene               | 50.0        | 45.7        |                | ug/L |   | 91   | 60 - 124    | 10  | 21        |
| n-Butylbenzene            | 50.0        | 51.5        |                | ug/L |   | 103  | 59 - 140    | 1   | 20        |
| n-Hexane                  | 50.0        | 45.4        |                | ug/L |   | 91   | 55 - 143    | 6   | 23        |
| N-Propylbenzene           | 50.0        | 47.8        |                | ug/L |   | 96   | 80 - 123    | 2   | 20        |
| o-Xylene                  | 50.0        | 48.1        |                | ug/L |   | 96   | 80 - 120    | 0   | 20        |
| p-Isopropyltoluene        | 50.0        | 49.3        |                | ug/L |   | 99   | 80 - 122    | 0   | 20        |
| sec-Butylbenzene          | 50.0        | 48.2        |                | ug/L |   | 96   | 80 - 123    | 0   | 20        |
| Styrene                   | 50.0        | 48.5        |                | ug/L |   | 97   | 80 - 120    | 1   | 20        |
| tert-Butylbenzene         | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 120    | 0   | 20        |
| Tetrachloroethene         | 50.0        | 45.9        |                | ug/L |   | 92   | 80 - 121    | 2   | 20        |
| Tetrahydrofuran           | 100         | 91.0        |                | ug/L |   | 91   | 62 - 130    | 4   | 20        |
| Toluene                   | 50.0        | 48.5        |                | ug/L |   | 97   | 80 - 120    | 0   | 20        |
| trans-1,2-Dichloroethene  | 50.0        | 45.2        |                | ug/L |   | 90   | 79 - 121    | 1   | 20        |
| trans-1,3-Dichloropropene | 50.0        | 46.7        |                | ug/L |   | 93   | 80 - 123    | 1   | 20        |
| Trichloroethene           | 50.0        | 44.4        |                | ug/L |   | 89   | 80 - 120    | 0   | 20        |
| Trichlorofluoromethane    | 50.0        | 45.1        |                | ug/L |   | 90   | 54 - 144    | 2   | 28        |
| Vinyl chloride            | 50.0        | 55.1        |                | ug/L |   | 110  | 67 - 127    | 2   | 25        |
| Xylenes, Total            | 100         | 96.2        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 106            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 95             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 101            |                | 77 - 120 |

Lab Sample ID: LCSD 280-673539/7

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Diisopropyl ether | 25.0        | 22.4        |                | ug/L |   | 89   | 63 - 128    | 5   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 106            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 94             |                | 78 - 120 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673539/7

Matrix: Water

Analysis Batch: 673539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Surrogate                   | LCSD LCSD |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| Toluene-d8 (Surr)           | 103       |           | 80 - 125 |
| Dibromofluoromethane (Surr) | 100       |           | 77 - 120 |

Lab Sample ID: MB 280-673671/9

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB MB  |           | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
|                                       | Result | Qualifier |     |       |      |   |          |                |         |
| 1,1,1,2-Tetrachloroethane             | <0.16  |           | 1.0 | 0.16  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1,1-Trichloroethane                 | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73  |           | 3.0 | 0.73  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1,2-Trichloroethane                 | <0.27  |           | 1.0 | 0.27  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1-Dichloroethane                    | <0.22  |           | 1.0 | 0.22  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1-Dichloroethene                    | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,1-Dichloropropene                   | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2   |           | 4.0 | 1.2   | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2,3-Trichloropropane                | <0.28  |           | 2.5 | 0.28  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58  |           | 1.0 | 0.58  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15  |           | 1.0 | 0.15  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42  |           | 5.0 | 0.42  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2-Dibromoethane                     | <0.18  |           | 1.0 | 0.18  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2-Dichlorobenzene                   | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2-Dichloroethane                    | <0.28  |           | 1.0 | 0.28  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,2-Dichloropropane                   | <0.24  |           | 1.0 | 0.24  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12  |           | 1.0 | 0.12  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,3-Dichlorobenzene                   | <0.33  |           | 1.0 | 0.33  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,3-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 1,4-Dichlorobenzene                   | <0.39  |           | 1.0 | 0.39  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 2,2-Dichloropropane                   | <0.17  |           | 1.0 | 0.17  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 2-Butanone (MEK)                      | <4.6   |           | 10  | 4.6   | ug/L |   |          | 11/04/24 18:52 | 1       |
| 2-Chlorotoluene                       | <0.34  |           | 1.0 | 0.34  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 2-Hexanone                            | <0.81  |           | 5.0 | 0.81  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 4-Chlorotoluene                       | <0.21  |           | 1.0 | 0.21  | ug/L |   |          | 11/04/24 18:52 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98  |           | 5.0 | 0.98  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Acetone                               | <6.6   |           | 15  | 6.6   | ug/L |   |          | 11/04/24 18:52 | 1       |
| Benzene                               | <0.14  |           | 1.0 | 0.14  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Bromobenzene                          | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Bromochloromethane                    | <0.40  |           | 1.0 | 0.40  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Bromodichloromethane                  | <0.19  |           | 1.0 | 0.19  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Bromoform                             | <0.25  |           | 2.0 | 0.25  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Bromomethane                          | <2.4   |           | 5.0 | 2.4   | ug/L |   |          | 11/04/24 18:52 | 1       |
| Carbon disulfide                      | <0.26  |           | 2.0 | 0.26  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Carbon tetrachloride                  | <0.23  |           | 1.0 | 0.23  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Chlorobenzene                         | <0.092 |           | 1.0 | 0.092 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Chloroethane                          | <0.64  |           | 2.0 | 0.64  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Chloroform                            | <0.36  |           | 1.0 | 0.36  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Chloromethane                         | <0.23  |           | 2.0 | 0.23  | ug/L |   |          | 11/04/24 18:52 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673671/9

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| cis-1,2-Dichloroethene    | <0.32     |              | 1.0 | 0.32 | ug/L |   |          | 11/04/24 18:52 | 1       |
| cis-1,3-Dichloropropene   | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Dibromochloromethane      | <0.28     |              | 1.0 | 0.28 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Dibromomethane            | <0.34     |              | 1.0 | 0.34 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Dichlorodifluoromethane   | <0.30     |              | 2.0 | 0.30 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Diisopropyl ether         | <1.1      |              | 10  | 1.1  | ug/L |   |          | 11/04/24 18:52 | 1       |
| Ethylbenzene              | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Hexachlorobutadiene       | <0.53     |              | 2.0 | 0.53 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Isopropylbenzene          | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Methyl tert-butyl ether   | <0.25     |              | 5.0 | 0.25 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Methylene Chloride        | <0.94     |              | 2.0 | 0.94 | ug/L |   |          | 11/04/24 18:52 | 1       |
| m-Xylene & p-Xylene       | <0.36     |              | 2.0 | 0.36 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Naphthalene               | <0.99     |              | 3.0 | 0.99 | ug/L |   |          | 11/04/24 18:52 | 1       |
| n-Butylbenzene            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/04/24 18:52 | 1       |
| n-Hexane                  | <0.16     |              | 2.0 | 0.16 | ug/L |   |          | 11/04/24 18:52 | 1       |
| N-Propylbenzene           | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/04/24 18:52 | 1       |
| o-Xylene                  | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 11/04/24 18:52 | 1       |
| p-Isopropyltoluene        | <0.19     |              | 1.0 | 0.19 | ug/L |   |          | 11/04/24 18:52 | 1       |
| sec-Butylbenzene          | <0.20     |              | 1.0 | 0.20 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Styrene                   | <0.13     |              | 1.0 | 0.13 | ug/L |   |          | 11/04/24 18:52 | 1       |
| tert-Butylbenzene         | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Tetrachloroethene         | <0.40     |              | 1.0 | 0.40 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Tetrahydrofuran           | <0.84     |              | 7.0 | 0.84 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Toluene                   | <0.32     |              | 1.0 | 0.32 | ug/L |   |          | 11/04/24 18:52 | 1       |
| trans-1,2-Dichloroethene  | <0.37     |              | 1.0 | 0.37 | ug/L |   |          | 11/04/24 18:52 | 1       |
| trans-1,3-Dichloropropene | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Trichloroethene           | <0.30     |              | 1.0 | 0.30 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Trichlorofluoromethane    | <0.20     |              | 2.0 | 0.20 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Vinyl chloride            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/04/24 18:52 | 1       |
| Xylenes, Total            | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 11/04/24 18:52 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 70 - 127 |          | 11/04/24 18:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97           |              | 78 - 120 |          | 11/04/24 18:52 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 125 |          | 11/04/24 18:52 | 1       |
| Dibromofluoromethane (Surr)  | 105          |              | 77 - 120 |          | 11/04/24 18:52 | 1       |

Lab Sample ID: LCS 280-673671/4

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 50.7       |               | ug/L |   | 101  | 80 - 124    |
| 1,1,1-Trichloroethane                 | 50.0        | 51.8       |               | ug/L |   | 104  | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 53.9       |               | ug/L |   | 108  | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 49.8       |               | ug/L |   | 100  | 73 - 132    |
| 1,1,2-Trichloroethane                 | 50.0        | 49.7       |               | ug/L |   | 99   | 80 - 120    |
| 1,1-Dichloroethane                    | 50.0        | 49.1       |               | ug/L |   | 98   | 78 - 121    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673671/4

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1-Dichloroethene          | 50.0        | 48.2       |               | ug/L |   | 96   | 77 - 121    |
| 1,1-Dichloropropene         | 50.0        | 50.5       |               | ug/L |   | 101  | 77 - 123    |
| 1,2,3-Trichlorobenzene      | 50.0        | 44.6       |               | ug/L |   | 89   | 65 - 129    |
| 1,2,3-Trichloropropane      | 50.0        | 48.5       |               | ug/L |   | 97   | 80 - 120    |
| 1,2,4-Trichlorobenzene      | 50.0        | 43.2       |               | ug/L |   | 86   | 74 - 126    |
| 1,2,4-Trimethylbenzene      | 50.0        | 49.5       |               | ug/L |   | 99   | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 46.7       |               | ug/L |   | 93   | 73 - 128    |
| 1,2-Dibromoethane           | 50.0        | 47.7       |               | ug/L |   | 95   | 80 - 120    |
| 1,2-Dichlorobenzene         | 50.0        | 46.9       |               | ug/L |   | 94   | 80 - 120    |
| 1,2-Dichloroethane          | 50.0        | 48.8       |               | ug/L |   | 98   | 71 - 121    |
| 1,2-Dichloropropane         | 50.0        | 49.7       |               | ug/L |   | 99   | 78 - 120    |
| 1,3,5-Trimethylbenzene      | 50.0        | 50.4       |               | ug/L |   | 101  | 80 - 122    |
| 1,3-Dichlorobenzene         | 50.0        | 48.4       |               | ug/L |   | 97   | 80 - 120    |
| 1,3-Dichloropropane         | 50.0        | 49.1       |               | ug/L |   | 98   | 77 - 122    |
| 1,4-Dichlorobenzene         | 50.0        | 47.2       |               | ug/L |   | 94   | 80 - 120    |
| 2,2-Dichloropropane         | 50.0        | 49.3       |               | ug/L |   | 99   | 75 - 131    |
| 2-Butanone (MEK)            | 200         | 191        |               | ug/L |   | 96   | 58 - 135    |
| 2-Chlorotoluene             | 50.0        | 49.7       |               | ug/L |   | 99   | 80 - 120    |
| 2-Hexanone                  | 200         | 197        |               | ug/L |   | 99   | 62 - 137    |
| 4-Chlorotoluene             | 50.0        | 49.2       |               | ug/L |   | 98   | 80 - 120    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 208        |               | ug/L |   | 104  | 66 - 135    |
| Acetone                     | 200         | 179        |               | ug/L |   | 90   | 61 - 134    |
| Benzene                     | 50.0        | 49.4       |               | ug/L |   | 99   | 80 - 120    |
| Bromobenzene                | 50.0        | 48.7       |               | ug/L |   | 97   | 80 - 120    |
| Bromochloromethane          | 50.0        | 48.0       |               | ug/L |   | 96   | 80 - 123    |
| Bromodichloromethane        | 50.0        | 49.7       |               | ug/L |   | 99   | 80 - 123    |
| Bromoform                   | 50.0        | 49.5       |               | ug/L |   | 99   | 79 - 138    |
| Bromomethane                | 50.0        | 40.3       |               | ug/L |   | 81   | 29 - 148    |
| Carbon disulfide            | 50.0        | 48.2       |               | ug/L |   | 96   | 70 - 121    |
| Carbon tetrachloride        | 50.0        | 51.0       |               | ug/L |   | 102  | 79 - 127    |
| Chlorobenzene               | 50.0        | 48.8       |               | ug/L |   | 98   | 80 - 120    |
| Chloroethane                | 50.0        | 45.4       |               | ug/L |   | 91   | 56 - 141    |
| Chloroform                  | 50.0        | 48.9       |               | ug/L |   | 98   | 80 - 120    |
| Chloromethane               | 50.0        | 40.2       |               | ug/L |   | 80   | 56 - 133    |
| cis-1,2-Dichloroethene      | 50.0        | 48.5       |               | ug/L |   | 97   | 80 - 120    |
| cis-1,3-Dichloropropene     | 50.0        | 50.7       |               | ug/L |   | 101  | 76 - 129    |
| Dibromochloromethane        | 50.0        | 50.2       |               | ug/L |   | 100  | 80 - 125    |
| Dibromomethane              | 50.0        | 45.6       |               | ug/L |   | 91   | 80 - 120    |
| Dichlorodifluoromethane     | 50.0        | 32.0       |               | ug/L |   | 64   | 47 - 135    |
| Ethylbenzene                | 50.0        | 50.3       |               | ug/L |   | 101  | 80 - 120    |
| Hexachlorobutadiene         | 50.0        | 52.2       |               | ug/L |   | 104  | 73 - 128    |
| Isopropylbenzene            | 50.0        | 50.4       |               | ug/L |   | 101  | 78 - 122    |
| Methyl tert-butyl ether     | 50.0        | 48.9       |               | ug/L |   | 98   | 80 - 120    |
| Methylene Chloride          | 50.0        | 46.7       |               | ug/L |   | 93   | 78 - 120    |
| m-Xylene & p-Xylene         | 50.0        | 48.3       |               | ug/L |   | 97   | 80 - 120    |
| Naphthalene                 | 50.0        | 39.6       |               | ug/L |   | 79   | 60 - 124    |
| n-Butylbenzene              | 50.0        | 50.1       |               | ug/L |   | 100  | 59 - 140    |
| n-Hexane                    | 50.0        | 49.4       |               | ug/L |   | 99   | 55 - 143    |
| N-Propylbenzene             | 50.0        | 51.2       |               | ug/L |   | 102  | 80 - 123    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673671/4

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| o-Xylene                  | 50.0        | 49.3       |               | ug/L |   | 99   | 80 - 120    |
| p-Isopropyltoluene        | 50.0        | 51.0       |               | ug/L |   | 102  | 80 - 122    |
| sec-Butylbenzene          | 50.0        | 51.2       |               | ug/L |   | 102  | 80 - 123    |
| Styrene                   | 50.0        | 50.4       |               | ug/L |   | 101  | 80 - 120    |
| tert-Butylbenzene         | 50.0        | 50.1       |               | ug/L |   | 100  | 80 - 120    |
| Tetrachloroethene         | 50.0        | 49.9       |               | ug/L |   | 100  | 80 - 121    |
| Tetrahydrofuran           | 100         | 97.6       |               | ug/L |   | 98   | 62 - 130    |
| Toluene                   | 50.0        | 48.9       |               | ug/L |   | 98   | 80 - 120    |
| trans-1,2-Dichloroethene  | 50.0        | 47.9       |               | ug/L |   | 96   | 79 - 121    |
| trans-1,3-Dichloropropene | 50.0        | 50.0       |               | ug/L |   | 100  | 80 - 123    |
| Trichloroethene           | 50.0        | 42.9       |               | ug/L |   | 86   | 80 - 120    |
| Trichlorofluoromethane    | 50.0        | 45.5       |               | ug/L |   | 91   | 54 - 144    |
| Vinyl chloride            | 50.0        | 44.2       |               | ug/L |   | 88   | 67 - 127    |
| Xylenes, Total            | 100         | 97.6       |               | ug/L |   | 98   | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 78 - 120 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 103           |               | 77 - 120 |

Lab Sample ID: LCS 280-673671/6

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------|-------------|------------|---------------|------|---|------|-------------|
| Diisopropyl ether | 25.0        | 26.1       |               | ug/L |   | 104  | 63 - 128    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 103           |               | 78 - 120 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 103           |               | 77 - 120 |

Lab Sample ID: LCSD 280-673671/5

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 55.1        |                | ug/L |   | 110  | 80 - 124    | 8   | 20        |
| 1,1,1-Trichloroethane                 | 50.0        | 53.9        |                | ug/L |   | 108  | 80 - 123    | 4   | 20        |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 58.0        |                | ug/L |   | 116  | 74 - 123    | 7   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 52.3        |                | ug/L |   | 105  | 73 - 132    | 5   | 23        |
| 1,1,2-Trichloroethane                 | 50.0        | 51.1        |                | ug/L |   | 102  | 80 - 120    | 3   | 20        |
| 1,1-Dichloroethane                    | 50.0        | 51.3        |                | ug/L |   | 103  | 78 - 121    | 4   | 20        |
| 1,1-Dichloroethene                    | 50.0        | 51.0        |                | ug/L |   | 102  | 77 - 121    | 6   | 21        |
| 1,1-Dichloropropene                   | 50.0        | 53.3        |                | ug/L |   | 107  | 77 - 123    | 5   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673671/5

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,2,3-Trichlorobenzene      | 50.0        | 45.1        |                | ug/L |   | 90   | 65 - 129    | 1   | 20        |
| 1,2,3-Trichloropropane      | 50.0        | 53.0        |                | ug/L |   | 106  | 80 - 120    | 9   | 20        |
| 1,2,4-Trichlorobenzene      | 50.0        | 46.6        |                | ug/L |   | 93   | 74 - 126    | 7   | 20        |
| 1,2,4-Trimethylbenzene      | 50.0        | 52.6        |                | ug/L |   | 105  | 79 - 124    | 6   | 20        |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 49.9        |                | ug/L |   | 100  | 73 - 128    | 7   | 21        |
| 1,2-Dibromoethane           | 50.0        | 49.0        |                | ug/L |   | 98   | 80 - 120    | 3   | 20        |
| 1,2-Dichlorobenzene         | 50.0        | 50.4        |                | ug/L |   | 101  | 80 - 120    | 7   | 20        |
| 1,2-Dichloroethane          | 50.0        | 49.8        |                | ug/L |   | 100  | 71 - 121    | 2   | 20        |
| 1,2-Dichloropropane         | 50.0        | 50.8        |                | ug/L |   | 102  | 78 - 120    | 2   | 20        |
| 1,3,5-Trimethylbenzene      | 50.0        | 54.2        |                | ug/L |   | 108  | 80 - 122    | 7   | 20        |
| 1,3-Dichlorobenzene         | 50.0        | 52.0        |                | ug/L |   | 104  | 80 - 120    | 7   | 20        |
| 1,3-Dichloropropane         | 50.0        | 52.3        |                | ug/L |   | 105  | 77 - 122    | 6   | 20        |
| 1,4-Dichlorobenzene         | 50.0        | 51.1        |                | ug/L |   | 102  | 80 - 120    | 8   | 20        |
| 2,2-Dichloropropane         | 50.0        | 51.4        |                | ug/L |   | 103  | 75 - 131    | 4   | 22        |
| 2-Butanone (MEK)            | 200         | 194         |                | ug/L |   | 97   | 58 - 135    | 2   | 20        |
| 2-Chlorotoluene             | 50.0        | 53.4        |                | ug/L |   | 107  | 80 - 120    | 7   | 20        |
| 2-Hexanone                  | 200         | 208         |                | ug/L |   | 104  | 62 - 137    | 5   | 21        |
| 4-Chlorotoluene             | 50.0        | 53.6        |                | ug/L |   | 107  | 80 - 120    | 9   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 200         | 213         |                | ug/L |   | 107  | 66 - 135    | 2   | 20        |
| Acetone                     | 200         | 182         |                | ug/L |   | 91   | 61 - 134    | 2   | 21        |
| Benzene                     | 50.0        | 51.0        |                | ug/L |   | 102  | 80 - 120    | 3   | 20        |
| Bromobenzene                | 50.0        | 53.4        |                | ug/L |   | 107  | 80 - 120    | 9   | 20        |
| Bromochloromethane          | 50.0        | 50.0        |                | ug/L |   | 100  | 80 - 123    | 4   | 20        |
| Bromodichloromethane        | 50.0        | 51.5        |                | ug/L |   | 103  | 80 - 123    | 4   | 20        |
| Bromoform                   | 50.0        | 54.3        |                | ug/L |   | 109  | 79 - 138    | 9   | 20        |
| Bromomethane                | 50.0        | 42.5        |                | ug/L |   | 85   | 29 - 148    | 5   | 40        |
| Carbon disulfide            | 50.0        | 50.0        |                | ug/L |   | 100  | 70 - 121    | 4   | 20        |
| Carbon tetrachloride        | 50.0        | 53.1        |                | ug/L |   | 106  | 79 - 127    | 4   | 20        |
| Chlorobenzene               | 50.0        | 52.8        |                | ug/L |   | 106  | 80 - 120    | 8   | 20        |
| Chloroethane                | 50.0        | 48.3        |                | ug/L |   | 97   | 56 - 141    | 6   | 30        |
| Chloroform                  | 50.0        | 50.8        |                | ug/L |   | 102  | 80 - 120    | 4   | 20        |
| Chloromethane               | 50.0        | 43.6        |                | ug/L |   | 87   | 56 - 133    | 8   | 20        |
| cis-1,2-Dichloroethene      | 50.0        | 49.3        |                | ug/L |   | 99   | 80 - 120    | 2   | 20        |
| cis-1,3-Dichloropropene     | 50.0        | 53.0        |                | ug/L |   | 106  | 76 - 129    | 4   | 20        |
| Dibromochloromethane        | 50.0        | 53.3        |                | ug/L |   | 107  | 80 - 125    | 6   | 20        |
| Dibromomethane              | 50.0        | 45.3        |                | ug/L |   | 91   | 80 - 120    | 1   | 20        |
| Dichlorodifluoromethane     | 50.0        | 34.2        |                | ug/L |   | 68   | 47 - 135    | 6   | 21        |
| Ethylbenzene                | 50.0        | 53.2        |                | ug/L |   | 106  | 80 - 120    | 5   | 20        |
| Hexachlorobutadiene         | 50.0        | 56.2        |                | ug/L |   | 112  | 73 - 128    | 7   | 20        |
| Isopropylbenzene            | 50.0        | 54.7        |                | ug/L |   | 109  | 78 - 122    | 8   | 20        |
| Methyl tert-butyl ether     | 50.0        | 51.3        |                | ug/L |   | 103  | 80 - 120    | 5   | 20        |
| Methylene Chloride          | 50.0        | 49.5        |                | ug/L |   | 99   | 78 - 120    | 6   | 20        |
| m-Xylene & p-Xylene         | 50.0        | 51.7        |                | ug/L |   | 103  | 80 - 120    | 7   | 20        |
| Naphthalene                 | 50.0        | 40.4        |                | ug/L |   | 81   | 60 - 124    | 2   | 21        |
| n-Butylbenzene              | 50.0        | 54.3        |                | ug/L |   | 109  | 59 - 140    | 8   | 20        |
| n-Hexane                    | 50.0        | 51.2        |                | ug/L |   | 102  | 55 - 143    | 4   | 23        |
| N-Propylbenzene             | 50.0        | 54.7        |                | ug/L |   | 109  | 80 - 123    | 6   | 20        |
| o-Xylene                    | 50.0        | 53.6        |                | ug/L |   | 107  | 80 - 120    | 8   | 20        |
| p-Isopropyltoluene          | 50.0        | 54.0        |                | ug/L |   | 108  | 80 - 122    | 6   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673671/5

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| sec-Butylbenzene          | 50.0        | 53.0        |                | ug/L |   | 106  | 80 - 123    | 3   | 20        |
| Styrene                   | 50.0        | 53.5        |                | ug/L |   | 107  | 80 - 120    | 6   | 20        |
| tert-Butylbenzene         | 50.0        | 54.4        |                | ug/L |   | 109  | 80 - 120    | 8   | 20        |
| Tetrachloroethene         | 50.0        | 54.1        |                | ug/L |   | 108  | 80 - 121    | 8   | 20        |
| Tetrahydrofuran           | 100         | 98.1        |                | ug/L |   | 98   | 62 - 130    | 0   | 20        |
| Toluene                   | 50.0        | 51.1        |                | ug/L |   | 102  | 80 - 120    | 4   | 20        |
| trans-1,2-Dichloroethene  | 50.0        | 50.6        |                | ug/L |   | 101  | 79 - 121    | 6   | 20        |
| trans-1,3-Dichloropropene | 50.0        | 52.4        |                | ug/L |   | 105  | 80 - 123    | 5   | 20        |
| Trichloroethene           | 50.0        | 47.8        |                | ug/L |   | 96   | 80 - 120    | 11  | 20        |
| Trichlorofluoromethane    | 50.0        | 47.9        |                | ug/L |   | 96   | 54 - 144    | 5   | 28        |
| Vinyl chloride            | 50.0        | 46.5        |                | ug/L |   | 93   | 67 - 127    | 5   | 25        |
| Xylenes, Total            | 100         | 105         |                | ug/L |   | 105  | 80 - 120    | 8   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 105            |                | 78 - 120 |
| Toluene-d8 (Surr)            | 102            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 102            |                | 77 - 120 |

Lab Sample ID: LCSD 280-673671/7

Matrix: Water

Analysis Batch: 673671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Diisopropyl ether | 25.0        | 26.3        |                | ug/L |   | 105  | 63 - 128    | 1   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 99             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 102            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 101            |                | 77 - 120 |

Lab Sample ID: MB 280-673689/9

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,1,1-Trichloroethane                 | <0.39     |              | 1.0 | 0.39 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21     |              | 1.0 | 0.21 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73     |              | 3.0 | 0.73 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,1,2-Trichloroethane                 | <0.27     |              | 1.0 | 0.27 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,1-Dichloroethane                    | <0.22     |              | 1.0 | 0.22 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,1-Dichloropropene                   | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2,3-Trichlorobenzene                | <0.19     |              | 1.0 | 0.19 | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2,3-Trichloropropane                | <1.2      |              | 4.0 | 1.2  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2,4-Trichlorobenzene                | <0.28     |              | 2.5 | 0.28 | ug/L |   |          | 11/05/24 09:20 | 1       |
|                                       | <0.58     |              | 1.0 | 0.58 | ug/L |   |          | 11/05/24 09:20 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673689/9

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|-------|------|---|----------|----------------|---------|
| 1,2,4-Trimethylbenzene      | <0.15     |              | 1.0 | 0.15  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2-Dibromo-3-Chloropropane | <0.42     |              | 5.0 | 0.42  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2-Dibromoethane           | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2-Dichlorobenzene         | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2-Dichloroethane          | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,2-Dichloropropane         | <0.24     |              | 1.0 | 0.24  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,3,5-Trimethylbenzene      | <0.12     |              | 1.0 | 0.12  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,3-Dichlorobenzene         | <0.33     |              | 1.0 | 0.33  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,3-Dichloropropane         | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 1,4-Dichlorobenzene         | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 2,2-Dichloropropane         | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 2-Butanone (MEK)            | <4.6      |              | 10  | 4.6   | ug/L |   |          | 11/05/24 09:20 | 1       |
| 2-Chlorotoluene             | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 2-Hexanone                  | <0.81     |              | 5.0 | 0.81  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 4-Chlorotoluene             | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 11/05/24 09:20 | 1       |
| 4-Methyl-2-pentanone (MIBK) | <0.98     |              | 5.0 | 0.98  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Acetone                     | <6.6      |              | 15  | 6.6   | ug/L |   |          | 11/05/24 09:20 | 1       |
| Benzene                     | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Bromobenzene                | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Bromochloromethane          | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Bromodichloromethane        | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Bromoform                   | <0.25     |              | 2.0 | 0.25  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Bromomethane                | <2.4      |              | 5.0 | 2.4   | ug/L |   |          | 11/05/24 09:20 | 1       |
| Carbon disulfide            | <0.26     |              | 2.0 | 0.26  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Carbon tetrachloride        | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Chlorobenzene               | <0.092    |              | 1.0 | 0.092 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Chloroethane                | <0.64     |              | 2.0 | 0.64  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Chloroform                  | <0.36     |              | 1.0 | 0.36  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Chloromethane               | <0.23     |              | 2.0 | 0.23  | ug/L |   |          | 11/05/24 09:20 | 1       |
| cis-1,2-Dichloroethene      | <0.32     |              | 1.0 | 0.32  | ug/L |   |          | 11/05/24 09:20 | 1       |
| cis-1,3-Dichloropropene     | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Dibromochloromethane        | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Dibromomethane              | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Dichlorodifluoromethane     | <0.30     |              | 2.0 | 0.30  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Diisopropyl ether           | <1.1      |              | 10  | 1.1   | ug/L |   |          | 11/05/24 09:20 | 1       |
| Ethylbenzene                | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Hexachlorobutadiene         | <0.53     |              | 2.0 | 0.53  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Isopropylbenzene            | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Methyl tert-butyl ether     | <0.25     |              | 5.0 | 0.25  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Methylene Chloride          | <0.94     |              | 2.0 | 0.94  | ug/L |   |          | 11/05/24 09:20 | 1       |
| m-Xylene & p-Xylene         | <0.36     |              | 2.0 | 0.36  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Naphthalene                 | <0.99     |              | 3.0 | 0.99  | ug/L |   |          | 11/05/24 09:20 | 1       |
| n-Butylbenzene              | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/05/24 09:20 | 1       |
| n-Hexane                    | <0.16     |              | 2.0 | 0.16  | ug/L |   |          | 11/05/24 09:20 | 1       |
| N-Propylbenzene             | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/05/24 09:20 | 1       |
| o-Xylene                    | <0.11     |              | 1.0 | 0.11  | ug/L |   |          | 11/05/24 09:20 | 1       |
| p-Isopropyltoluene          | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/05/24 09:20 | 1       |
| sec-Butylbenzene            | <0.20     |              | 1.0 | 0.20  | ug/L |   |          | 11/05/24 09:20 | 1       |
| Styrene                     | <0.13     |              | 1.0 | 0.13  | ug/L |   |          | 11/05/24 09:20 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673689/9

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| tert-Butylbenzene         | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Tetrachloroethene         | <0.40     |              | 1.0 | 0.40 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Tetrahydrofuran           | <0.84     |              | 7.0 | 0.84 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Toluene                   | <0.32     |              | 1.0 | 0.32 | ug/L |   |          | 11/05/24 09:20 | 1       |
| trans-1,2-Dichloroethene  | <0.37     |              | 1.0 | 0.37 | ug/L |   |          | 11/05/24 09:20 | 1       |
| trans-1,3-Dichloropropene | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Trichloroethene           | <0.30     |              | 1.0 | 0.30 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Trichlorofluoromethane    | <0.20     |              | 2.0 | 0.20 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Vinyl chloride            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/05/24 09:20 | 1       |
| Xylenes, Total            | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 11/05/24 09:20 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95           |              | 70 - 127 |          | 11/05/24 09:20 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 78 - 120 |          | 11/05/24 09:20 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 125 |          | 11/05/24 09:20 | 1       |
| Dibromofluoromethane (Surr)  | 99           |              | 77 - 120 |          | 11/05/24 09:20 | 1       |

Lab Sample ID: LCS 280-673689/4

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 51.7       |               | ug/L |   | 103  | 80 - 124    |
| 1,1,1-Trichloroethane                 | 50.0        | 52.8       |               | ug/L |   | 106  | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 51.4       |               | ug/L |   | 103  | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 50.8       |               | ug/L |   | 102  | 73 - 132    |
| 1,1,2-Trichloroethane                 | 50.0        | 49.1       |               | ug/L |   | 98   | 80 - 120    |
| 1,1-Dichloroethane                    | 50.0        | 52.8       |               | ug/L |   | 106  | 78 - 121    |
| 1,1-Dichloroethene                    | 50.0        | 52.8       |               | ug/L |   | 106  | 77 - 121    |
| 1,1-Dichloropropene                   | 50.0        | 52.9       |               | ug/L |   | 106  | 77 - 123    |
| 1,2,3-Trichlorobenzene                | 50.0        | 42.5       |               | ug/L |   | 85   | 65 - 129    |
| 1,2,3-Trichloropropane                | 50.0        | 50.4       |               | ug/L |   | 101  | 80 - 120    |
| 1,2,4-Trichlorobenzene                | 50.0        | 48.3       |               | ug/L |   | 97   | 74 - 126    |
| 1,2,4-Trimethylbenzene                | 50.0        | 56.5       |               | ug/L |   | 113  | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 45.1       |               | ug/L |   | 90   | 73 - 128    |
| 1,2-Dibromoethane                     | 50.0        | 50.7       |               | ug/L |   | 101  | 80 - 120    |
| 1,2-Dichlorobenzene                   | 50.0        | 52.5       |               | ug/L |   | 105  | 80 - 120    |
| 1,2-Dichloroethane                    | 50.0        | 48.6       |               | ug/L |   | 97   | 71 - 121    |
| 1,2-Dichloropropane                   | 50.0        | 50.9       |               | ug/L |   | 102  | 78 - 120    |
| 1,3,5-Trimethylbenzene                | 50.0        | 58.0       |               | ug/L |   | 116  | 80 - 122    |
| 1,3-Dichlorobenzene                   | 50.0        | 53.6       |               | ug/L |   | 107  | 80 - 120    |
| 1,3-Dichloropropane                   | 50.0        | 51.3       |               | ug/L |   | 103  | 77 - 122    |
| 1,4-Dichlorobenzene                   | 50.0        | 52.3       |               | ug/L |   | 105  | 80 - 120    |
| 2,2-Dichloropropane                   | 50.0        | 53.5       |               | ug/L |   | 107  | 75 - 131    |
| 2-Butanone (MEK)                      | 200         | 196        |               | ug/L |   | 98   | 58 - 135    |
| 2-Chlorotoluene                       | 50.0        | 56.8       |               | ug/L |   | 114  | 80 - 120    |
| 2-Hexanone                            | 200         | 193        |               | ug/L |   | 96   | 62 - 137    |
| 4-Chlorotoluene                       | 50.0        | 55.6       |               | ug/L |   | 111  | 80 - 120    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673689/4

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 4-Methyl-2-pentanone (MIBK) | 200         | 191        |               | ug/L |   | 95   | 66 - 135    |
| Acetone                     | 200         | 190        |               | ug/L |   | 95   | 61 - 134    |
| Benzene                     | 50.0        | 52.7       |               | ug/L |   | 105  | 80 - 120    |
| Bromobenzene                | 50.0        | 56.6       |               | ug/L |   | 113  | 80 - 120    |
| Bromochloromethane          | 50.0        | 47.2       |               | ug/L |   | 94   | 80 - 123    |
| Bromodichloromethane        | 50.0        | 49.2       |               | ug/L |   | 98   | 80 - 123    |
| Bromoform                   | 50.0        | 47.3       |               | ug/L |   | 95   | 79 - 138    |
| Bromomethane                | 50.0        | 50.2       |               | ug/L |   | 100  | 29 - 148    |
| Carbon disulfide            | 50.0        | 56.6       |               | ug/L |   | 113  | 70 - 121    |
| Carbon tetrachloride        | 50.0        | 49.8       |               | ug/L |   | 100  | 79 - 127    |
| Chlorobenzene               | 50.0        | 52.8       |               | ug/L |   | 106  | 80 - 120    |
| Chloroethane                | 50.0        | 58.3       |               | ug/L |   | 117  | 56 - 141    |
| Chloroform                  | 50.0        | 51.7       |               | ug/L |   | 103  | 80 - 120    |
| Chloromethane               | 50.0        | 42.8       |               | ug/L |   | 86   | 56 - 133    |
| cis-1,2-Dichloroethene      | 50.0        | 50.1       |               | ug/L |   | 100  | 80 - 120    |
| cis-1,3-Dichloropropene     | 50.0        | 52.0       |               | ug/L |   | 104  | 76 - 129    |
| Dibromochloromethane        | 50.0        | 49.7       |               | ug/L |   | 99   | 80 - 125    |
| Dibromomethane              | 50.0        | 49.4       |               | ug/L |   | 99   | 80 - 120    |
| Dichlorodifluoromethane     | 50.0        | 44.5       |               | ug/L |   | 89   | 47 - 135    |
| Ethylbenzene                | 50.0        | 56.1       |               | ug/L |   | 112  | 80 - 120    |
| Hexachlorobutadiene         | 50.0        | 54.2       |               | ug/L |   | 108  | 73 - 128    |
| Isopropylbenzene            | 50.0        | 57.0       |               | ug/L |   | 114  | 78 - 122    |
| Methyl tert-butyl ether     | 50.0        | 52.6       |               | ug/L |   | 105  | 80 - 120    |
| Methylene Chloride          | 50.0        | 49.9       |               | ug/L |   | 100  | 78 - 120    |
| m-Xylene & p-Xylene         | 50.0        | 55.3       |               | ug/L |   | 111  | 80 - 120    |
| Naphthalene                 | 50.0        | 41.5       |               | ug/L |   | 83   | 60 - 124    |
| n-Butylbenzene              | 50.0        | 56.8       |               | ug/L |   | 114  | 59 - 140    |
| n-Hexane                    | 50.0        | 50.2       |               | ug/L |   | 100  | 55 - 143    |
| N-Propylbenzene             | 50.0        | 57.8       |               | ug/L |   | 116  | 80 - 123    |
| o-Xylene                    | 50.0        | 56.1       |               | ug/L |   | 112  | 80 - 120    |
| p-Isopropyltoluene          | 50.0        | 57.0       |               | ug/L |   | 114  | 80 - 122    |
| sec-Butylbenzene            | 50.0        | 57.4       |               | ug/L |   | 115  | 80 - 123    |
| Styrene                     | 50.0        | 55.3       |               | ug/L |   | 111  | 80 - 120    |
| tert-Butylbenzene           | 50.0        | 56.4       |               | ug/L |   | 113  | 80 - 120    |
| Tetrachloroethene           | 50.0        | 52.5       |               | ug/L |   | 105  | 80 - 121    |
| Tetrahydrofuran             | 100         | 96.8       |               | ug/L |   | 97   | 62 - 130    |
| Toluene                     | 50.0        | 56.5       |               | ug/L |   | 113  | 80 - 120    |
| trans-1,2-Dichloroethene    | 50.0        | 55.5       |               | ug/L |   | 111  | 79 - 121    |
| trans-1,3-Dichloropropene   | 50.0        | 47.8       |               | ug/L |   | 96   | 80 - 123    |
| Trichloroethene             | 50.0        | 52.3       |               | ug/L |   | 105  | 80 - 120    |
| Trichlorofluoromethane      | 50.0        | 54.1       |               | ug/L |   | 108  | 54 - 144    |
| Vinyl chloride              | 50.0        | 46.5       |               | ug/L |   | 93   | 67 - 127    |
| Xylenes, Total              | 100         | 111        |               | ug/L |   | 111  | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 102           |               | 78 - 120 |
| Toluene-d8 (Surr)            | 102           |               | 80 - 125 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673689/4

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| Dibromofluoromethane (Surr) | 99        |           | 77 - 120 |

Lab Sample ID: LCS 280-673689/6

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------|-------------|------------|---------------|------|---|------|-------------|
| Diisopropyl ether | 25.0        | 22.2       |               | ug/L |   | 89   | 63 - 128    |

|                              | LCS       | LCS       |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 78 - 120 |
| Toluene-d8 (Surr)            | 104       |           | 80 - 125 |
| Dibromofluoromethane (Surr)  | 99        |           | 77 - 120 |

Lab Sample ID: LCSD 280-673689/5

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 54.4        |                | ug/L |   | 109  | 80 - 124    | 5   | 20        |
| 1,1,1-Trichloroethane                 | 50.0        | 54.8        |                | ug/L |   | 110  | 80 - 123    | 4   | 20        |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 51.7        |                | ug/L |   | 103  | 74 - 123    | 1   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 54.5        |                | ug/L |   | 109  | 73 - 132    | 7   | 23        |
| 1,1,2-Trichloroethane                 | 50.0        | 50.6        |                | ug/L |   | 101  | 80 - 120    | 3   | 20        |
| 1,1-Dichloroethane                    | 50.0        | 54.5        |                | ug/L |   | 109  | 78 - 121    | 3   | 20        |
| 1,1-Dichloroethene                    | 50.0        | 54.1        |                | ug/L |   | 108  | 77 - 121    | 2   | 21        |
| 1,1-Dichloropropene                   | 50.0        | 55.2        |                | ug/L |   | 110  | 77 - 123    | 4   | 20        |
| 1,2,3-Trichlorobenzene                | 50.0        | 56.8 *      |                | ug/L |   | 114  | 65 - 129    | 29  | 20        |
| 1,2,3-Trichloropropane                | 50.0        | 49.4        |                | ug/L |   | 99   | 80 - 120    | 2   | 20        |
| 1,2,4-Trichlorobenzene                | 50.0        | 51.7        |                | ug/L |   | 103  | 74 - 126    | 7   | 20        |
| 1,2,4-Trimethylbenzene                | 50.0        | 55.9        |                | ug/L |   | 112  | 79 - 124    | 1   | 20        |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 47.9        |                | ug/L |   | 96   | 73 - 128    | 6   | 21        |
| 1,2-Dibromoethane                     | 50.0        | 52.5        |                | ug/L |   | 105  | 80 - 120    | 3   | 20        |
| 1,2-Dichlorobenzene                   | 50.0        | 53.0        |                | ug/L |   | 106  | 80 - 120    | 1   | 20        |
| 1,2-Dichloroethane                    | 50.0        | 50.8        |                | ug/L |   | 102  | 71 - 121    | 4   | 20        |
| 1,2-Dichloropropane                   | 50.0        | 53.5        |                | ug/L |   | 107  | 78 - 120    | 5   | 20        |
| 1,3,5-Trimethylbenzene                | 50.0        | 57.0        |                | ug/L |   | 114  | 80 - 122    | 2   | 20        |
| 1,3-Dichlorobenzene                   | 50.0        | 53.8        |                | ug/L |   | 108  | 80 - 120    | 0   | 20        |
| 1,3-Dichloropropane                   | 50.0        | 53.4        |                | ug/L |   | 107  | 77 - 122    | 4   | 20        |
| 1,4-Dichlorobenzene                   | 50.0        | 53.3        |                | ug/L |   | 107  | 80 - 120    | 2   | 20        |
| 2,2-Dichloropropane                   | 50.0        | 55.9        |                | ug/L |   | 112  | 75 - 131    | 4   | 22        |
| 2-Butanone (MEK)                      | 200         | 205         |                | ug/L |   | 102  | 58 - 135    | 4   | 20        |
| 2-Chlorotoluene                       | 50.0        | 56.1        |                | ug/L |   | 112  | 80 - 120    | 1   | 20        |
| 2-Hexanone                            | 200         | 204         |                | ug/L |   | 102  | 62 - 137    | 6   | 21        |
| 4-Chlorotoluene                       | 50.0        | 55.2        |                | ug/L |   | 110  | 80 - 120    | 1   | 20        |
| 4-Methyl-2-pentanone (MIBK)           | 200         | 198         |                | ug/L |   | 99   | 66 - 135    | 4   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673689/5

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Acetone                   | 200         | 209         |                | ug/L |   | 105  | 61 - 134    | 10  | 21        |
| Benzene                   | 50.0        | 53.4        |                | ug/L |   | 107  | 80 - 120    | 1   | 20        |
| Bromobenzene              | 50.0        | 55.1        |                | ug/L |   | 110  | 80 - 120    | 3   | 20        |
| Bromochloromethane        | 50.0        | 48.8        |                | ug/L |   | 98   | 80 - 123    | 3   | 20        |
| Bromodichloromethane      | 50.0        | 51.0        |                | ug/L |   | 102  | 80 - 123    | 4   | 20        |
| Bromoform                 | 50.0        | 51.5        |                | ug/L |   | 103  | 79 - 138    | 8   | 20        |
| Bromomethane              | 50.0        | 56.7        |                | ug/L |   | 113  | 29 - 148    | 12  | 40        |
| Carbon disulfide          | 50.0        | 59.4        |                | ug/L |   | 119  | 70 - 121    | 5   | 20        |
| Carbon tetrachloride      | 50.0        | 53.6        |                | ug/L |   | 107  | 79 - 127    | 7   | 20        |
| Chlorobenzene             | 50.0        | 53.8        |                | ug/L |   | 108  | 80 - 120    | 2   | 20        |
| Chloroethane              | 50.0        | 63.2        |                | ug/L |   | 126  | 56 - 141    | 8   | 30        |
| Chloroform                | 50.0        | 53.9        |                | ug/L |   | 108  | 80 - 120    | 4   | 20        |
| Chloromethane             | 50.0        | 46.4        |                | ug/L |   | 93   | 56 - 133    | 8   | 20        |
| cis-1,2-Dichloroethene    | 50.0        | 51.0        |                | ug/L |   | 102  | 80 - 120    | 2   | 20        |
| cis-1,3-Dichloropropene   | 50.0        | 53.2        |                | ug/L |   | 106  | 76 - 129    | 2   | 20        |
| Dibromochloromethane      | 50.0        | 52.3        |                | ug/L |   | 105  | 80 - 125    | 5   | 20        |
| Dibromomethane            | 50.0        | 49.8        |                | ug/L |   | 100  | 80 - 120    | 1   | 20        |
| Dichlorodifluoromethane   | 50.0        | 45.7        |                | ug/L |   | 91   | 47 - 135    | 3   | 21        |
| Ethylbenzene              | 50.0        | 57.7        |                | ug/L |   | 115  | 80 - 120    | 3   | 20        |
| Hexachlorobutadiene       | 50.0        | 54.2        |                | ug/L |   | 108  | 73 - 128    | 0   | 20        |
| Isopropylbenzene          | 50.0        | 56.5        |                | ug/L |   | 113  | 78 - 122    | 1   | 20        |
| Methyl tert-butyl ether   | 50.0        | 54.6        |                | ug/L |   | 109  | 80 - 120    | 4   | 20        |
| Methylene Chloride        | 50.0        | 50.3        |                | ug/L |   | 101  | 78 - 120    | 1   | 20        |
| m-Xylene & p-Xylene       | 50.0        | 57.4        |                | ug/L |   | 115  | 80 - 120    | 4   | 20        |
| Naphthalene               | 50.0        | 56.0        | *              | ug/L |   | 112  | 60 - 124    | 30  | 21        |
| n-Butylbenzene            | 50.0        | 55.9        |                | ug/L |   | 112  | 59 - 140    | 2   | 20        |
| n-Hexane                  | 50.0        | 52.0        |                | ug/L |   | 104  | 55 - 143    | 4   | 23        |
| N-Propylbenzene           | 50.0        | 56.7        |                | ug/L |   | 113  | 80 - 123    | 2   | 20        |
| o-Xylene                  | 50.0        | 57.2        |                | ug/L |   | 114  | 80 - 120    | 2   | 20        |
| p-Isopropyltoluene        | 50.0        | 57.6        |                | ug/L |   | 115  | 80 - 122    | 1   | 20        |
| sec-Butylbenzene          | 50.0        | 57.4        |                | ug/L |   | 115  | 80 - 123    | 0   | 20        |
| Styrene                   | 50.0        | 57.2        |                | ug/L |   | 114  | 80 - 120    | 3   | 20        |
| tert-Butylbenzene         | 50.0        | 55.8        |                | ug/L |   | 112  | 80 - 120    | 1   | 20        |
| Tetrachloroethene         | 50.0        | 55.7        |                | ug/L |   | 111  | 80 - 121    | 6   | 20        |
| Tetrahydrofuran           | 100         | 101         |                | ug/L |   | 101  | 62 - 130    | 5   | 20        |
| Toluene                   | 50.0        | 57.2        |                | ug/L |   | 114  | 80 - 120    | 1   | 20        |
| trans-1,2-Dichloroethene  | 50.0        | 56.5        |                | ug/L |   | 113  | 79 - 121    | 2   | 20        |
| trans-1,3-Dichloropropene | 50.0        | 50.2        |                | ug/L |   | 100  | 80 - 123    | 5   | 20        |
| Trichloroethene           | 50.0        | 54.7        |                | ug/L |   | 109  | 80 - 120    | 4   | 20        |
| Trichlorofluoromethane    | 50.0        | 57.1        |                | ug/L |   | 114  | 54 - 144    | 5   | 28        |
| Vinyl chloride            | 50.0        | 48.0        |                | ug/L |   | 96   | 67 - 127    | 3   | 25        |
| Xylenes, Total            | 100         | 115         |                | ug/L |   | 115  | 80 - 120    | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98             |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 99             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 97             |                | 77 - 120 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673689/7

Matrix: Water

Analysis Batch: 673689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                      |                | Spike Added    | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------------|----------------|----------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Diisopropyl ether            |                | 25.0           | 23.9        |                | ug/L |   | 95   | 63 - 128    | 7   | 20        |
| Surrogate                    |                |                |             |                |      |   |      |             |     |           |
|                              | LCSD %Recovery | LCSD Qualifier | Limits      |                |      |   |      |             |     |           |
| 1,2-Dichloroethane-d4 (Surr) | 96             |                | 70 - 127    |                |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)  | 100            |                | 78 - 120    |                |      |   |      |             |     |           |
| Toluene-d8 (Surr)            | 99             |                | 80 - 125    |                |      |   |      |             |     |           |
| Dibromofluoromethane (Surr)  | 100            |                | 77 - 120    |                |      |   |      |             |     |           |

Lab Sample ID: 500-259162-36 MS

Matrix: Water

Analysis Batch: 673689

Client Sample ID: MW-25D2-202410

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|--|--|
| 1,1,1,2-Tetrachloroethane             | <0.16         |                  | 25.0        | 22.5      |              | ug/L |   | 90   | 80 - 124    |  |  |
| 1,1,1-Trichloroethane                 | <0.39         |                  | 25.0        | 23.7      |              | ug/L |   | 95   | 80 - 123    |  |  |
| 1,1,2,2-Tetrachloroethane             | <0.21         |                  | 25.0        | 24.0      |              | ug/L |   | 96   | 74 - 123    |  |  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73         |                  | 25.0        | 22.7      |              | ug/L |   | 91   | 73 - 132    |  |  |
| 1,1,2-Trichloroethane                 | <0.27         |                  | 25.0        | 23.5      |              | ug/L |   | 94   | 80 - 120    |  |  |
| 1,1-Dichloroethane                    | <0.22         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 78 - 121    |  |  |
| 1,1-Dichloroethene                    | <0.23         |                  | 25.0        | 23.8      |              | ug/L |   | 95   | 77 - 121    |  |  |
| 1,1-Dichloropropene                   | <0.19         |                  | 25.0        | 23.8      |              | ug/L |   | 95   | 77 - 123    |  |  |
| 1,2,3-Trichlorobenzene                | <1.2          | F2 *             | 25.0        | 19.8      |              | ug/L |   | 79   | 65 - 129    |  |  |
| 1,2,3-Trichloropropane                | <0.28         |                  | 25.0        | 23.3      |              | ug/L |   | 93   | 80 - 120    |  |  |
| 1,2,4-Trichlorobenzene                | <0.58         |                  | 25.0        | 21.4      |              | ug/L |   | 86   | 74 - 126    |  |  |
| 1,2,4-Trimethylbenzene                | <0.15         |                  | 25.0        | 24.5      |              | ug/L |   | 98   | 79 - 124    |  |  |
| 1,2-Dibromo-3-Chloropropane           | <0.42         |                  | 25.0        | 18.9      |              | ug/L |   | 76   | 73 - 128    |  |  |
| 1,2-Dibromoethane                     | <0.18         |                  | 25.0        | 22.9      |              | ug/L |   | 92   | 80 - 120    |  |  |
| 1,2-Dichlorobenzene                   | <0.14         |                  | 25.0        | 23.3      |              | ug/L |   | 93   | 80 - 120    |  |  |
| 1,2-Dichloroethane                    | <0.28         |                  | 25.0        | 23.5      |              | ug/L |   | 94   | 71 - 121    |  |  |
| 1,2-Dichloropropane                   | <0.24         |                  | 25.0        | 24.1      |              | ug/L |   | 96   | 78 - 120    |  |  |
| 1,3,5-Trimethylbenzene                | <0.12         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 80 - 122    |  |  |
| 1,3-Dichlorobenzene                   | <0.33         |                  | 25.0        | 23.5      |              | ug/L |   | 94   | 80 - 120    |  |  |
| 1,3-Dichloropropane                   | <0.17         |                  | 25.0        | 24.3      |              | ug/L |   | 97   | 77 - 122    |  |  |
| 1,4-Dichlorobenzene                   | <0.39         |                  | 25.0        | 23.6      |              | ug/L |   | 95   | 80 - 120    |  |  |
| 2,2-Dichloropropane                   | <0.17         |                  | 25.0        | 21.9      |              | ug/L |   | 88   | 75 - 131    |  |  |
| 2-Butanone (MEK)                      | <4.6          |                  | 100         | 92.0      |              | ug/L |   | 92   | 58 - 135    |  |  |
| 2-Chlorotoluene                       | <0.34         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 80 - 120    |  |  |
| 2-Hexanone                            | <0.81         |                  | 100         | 90.0      |              | ug/L |   | 90   | 62 - 137    |  |  |
| 4-Chlorotoluene                       | <0.21         |                  | 25.0        | 23.9      |              | ug/L |   | 96   | 80 - 120    |  |  |
| 4-Methyl-2-pentanone (MIBK)           | <0.98         |                  | 100         | 91.1      |              | ug/L |   | 91   | 66 - 135    |  |  |
| Acetone                               | <6.6          | F2               | 100         | 87.6      |              | ug/L |   | 88   | 61 - 134    |  |  |
| Benzene                               | <0.14         |                  | 25.0        | 24.6      |              | ug/L |   | 99   | 80 - 120    |  |  |
| Bromobenzene                          | <0.19         |                  | 25.0        | 24.9      |              | ug/L |   | 100  | 80 - 120    |  |  |
| Bromochloromethane                    | <0.40         |                  | 25.0        | 22.6      |              | ug/L |   | 90   | 80 - 123    |  |  |
| Bromodichloromethane                  | <0.19         |                  | 25.0        | 23.0      |              | ug/L |   | 92   | 80 - 123    |  |  |
| Bromoform                             | <0.25         |                  | 25.0        | 20.2      |              | ug/L |   | 81   | 79 - 138    |  |  |
| Bromomethane                          | <2.4          |                  | 25.0        | 25.5      |              | ug/L |   | 102  | 29 - 148    |  |  |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-36 MS

Matrix: Water

Analysis Batch: 673689

Client Sample ID: MW-25D2-202410

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Carbon disulfide          | <0.26         | F1 F2            | 25.0        | 24.5      |              | ug/L |   | 98   | 70 - 121    |
| Carbon tetrachloride      | <0.23         |                  | 25.0        | 22.2      |              | ug/L |   | 89   | 79 - 127    |
| Chlorobenzene             | <0.092        |                  | 25.0        | 24.2      |              | ug/L |   | 97   | 80 - 120    |
| Chloroethane              | <0.64         |                  | 25.0        | 29.8      |              | ug/L |   | 119  | 56 - 141    |
| Chloroform                | <0.36         |                  | 25.0        | 24.3      |              | ug/L |   | 97   | 80 - 120    |
| Chloromethane             | <0.23         |                  | 25.0        | 19.4      |              | ug/L |   | 78   | 56 - 133    |
| cis-1,2-Dichloroethene    | <0.32         |                  | 25.0        | 23.7      |              | ug/L |   | 95   | 80 - 120    |
| cis-1,3-Dichloropropene   | <0.16         |                  | 25.0        | 22.8      |              | ug/L |   | 91   | 76 - 129    |
| Dibromochloromethane      | <0.28         |                  | 25.0        | 21.9      |              | ug/L |   | 88   | 80 - 125    |
| Dibromomethane            | <0.34         |                  | 25.0        | 23.1      |              | ug/L |   | 92   | 80 - 120    |
| Dichlorodifluoromethane   | <0.30         |                  | 25.0        | 19.3      |              | ug/L |   | 77   | 47 - 135    |
| Ethylbenzene              | <0.14         |                  | 25.0        | 25.3      |              | ug/L |   | 101  | 80 - 120    |
| Hexachlorobutadiene       | <0.53         |                  | 25.0        | 21.8      |              | ug/L |   | 87   | 73 - 128    |
| Isopropylbenzene          | <0.16         |                  | 25.0        | 24.6      |              | ug/L |   | 98   | 78 - 122    |
| Methyl tert-butyl ether   | <0.25         |                  | 25.0        | 25.2      |              | ug/L |   | 101  | 80 - 120    |
| Methylene Chloride        | <0.94         |                  | 25.0        | 22.9      |              | ug/L |   | 91   | 78 - 120    |
| m-Xylene & p-Xylene       | <0.36         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 80 - 120    |
| Naphthalene               | <0.99         | F2 *             | 25.0        | 19.2      |              | ug/L |   | 77   | 60 - 124    |
| n-Butylbenzene            | <0.23         |                  | 25.0        | 23.3      |              | ug/L |   | 93   | 59 - 140    |
| n-Hexane                  | <0.16         |                  | 25.0        | 19.9      |              | ug/L |   | 80   | 55 - 143    |
| N-Propylbenzene           | <0.18         |                  | 25.0        | 24.5      |              | ug/L |   | 98   | 80 - 123    |
| o-Xylene                  | <0.11         |                  | 25.0        | 24.7      |              | ug/L |   | 99   | 80 - 120    |
| p-Isopropyltoluene        | <0.19         |                  | 25.0        | 24.2      |              | ug/L |   | 97   | 80 - 122    |
| sec-Butylbenzene          | <0.20         |                  | 25.0        | 24.1      |              | ug/L |   | 96   | 80 - 123    |
| Styrene                   | <0.13         |                  | 25.0        | 24.4      |              | ug/L |   | 98   | 80 - 120    |
| tert-Butylbenzene         | <0.18         |                  | 25.0        | 24.2      |              | ug/L |   | 97   | 80 - 120    |
| Tetrachloroethene         | <0.40         |                  | 25.0        | 24.0      |              | ug/L |   | 96   | 80 - 121    |
| Tetrahydrofuran           | <0.84         |                  | 50.0        | 44.5      |              | ug/L |   | 89   | 62 - 130    |
| Toluene                   | <0.32         |                  | 25.0        | 25.1      |              | ug/L |   | 101  | 80 - 120    |
| trans-1,2-Dichloroethene  | <0.37         |                  | 25.0        | 25.5      |              | ug/L |   | 102  | 79 - 121    |
| trans-1,3-Dichloropropene | <0.14         |                  | 25.0        | 21.0      |              | ug/L |   | 84   | 80 - 123    |
| Trichloroethene           | <0.30         |                  | 25.0        | 23.5      |              | ug/L |   | 94   | 80 - 120    |
| Trichlorofluoromethane    | <0.20         |                  | 25.0        | 22.5      |              | ug/L |   | 90   | 54 - 144    |
| Vinyl chloride            | <0.23         |                  | 25.0        | 20.7      |              | ug/L |   | 83   | 67 - 127    |
| Xylenes, Total            | <0.11         |                  | 50.0        | 49.5      |              | ug/L |   | 99   | 80 - 120    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98           |              | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 100          |              | 78 - 120 |
| Toluene-d8 (Surr)            | 101          |              | 80 - 125 |
| Dibromofluoromethane (Surr)  | 100          |              | 77 - 120 |

Lab Sample ID: 500-259162-36 MSD

Matrix: Water

Analysis Batch: 673689

Client Sample ID: MW-25D2-202410

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | <0.16         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 124    | 13  | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-36 MSD

Matrix: Water

Analysis Batch: 673689

Client Sample ID: MW-25D2-202410

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1,1-Trichloroethane                 | <0.39         |                  | 25.0        | 27.3       |               | ug/L |   | 109  | 80 - 123    | 14  | 20        |
| 1,1,2,2-Tetrachloroethane             | <0.21         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 74 - 123    | 6   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73         |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 73 - 132    | 15  | 23        |
| 1,1,2-Trichloroethane                 | <0.27         |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120    | 6   | 20        |
| 1,1-Dichloroethane                    | <0.22         |                  | 25.0        | 27.0       |               | ug/L |   | 108  | 78 - 121    | 8   | 20        |
| 1,1-Dichloroethene                    | <0.23         |                  | 25.0        | 28.2       |               | ug/L |   | 113  | 77 - 121    | 17  | 21        |
| 1,1-Dichloropropene                   | <0.19         |                  | 25.0        | 26.4       |               | ug/L |   | 105  | 77 - 123    | 10  | 20        |
| 1,2,3-Trichlorobenzene                | <1.2          | F2 *             | 25.0        | 27.1       | F2            | ug/L |   | 108  | 65 - 129    | 31  | 20        |
| 1,2,3-Trichloropropane                | <0.28         |                  | 25.0        | 23.1       |               | ug/L |   | 93   | 80 - 120    | 1   | 20        |
| 1,2,4-Trichlorobenzene                | <0.58         |                  | 25.0        | 24.8       |               | ug/L |   | 99   | 74 - 126    | 15  | 20        |
| 1,2,4-Trimethylbenzene                | <0.15         |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 79 - 124    | 9   | 20        |
| 1,2-Dibromo-3-Chloropropane           | <0.42         |                  | 25.0        | 23.4       |               | ug/L |   | 94   | 73 - 128    | 21  | 21        |
| 1,2-Dibromoethane                     | <0.18         |                  | 25.0        | 24.9       |               | ug/L |   | 99   | 80 - 120    | 8   | 20        |
| 1,2-Dichlorobenzene                   | <0.14         |                  | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 120    | 6   | 20        |
| 1,2-Dichloroethane                    | <0.28         |                  | 25.0        | 25.4       |               | ug/L |   | 102  | 71 - 121    | 8   | 20        |
| 1,2-Dichloropropane                   | <0.24         |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 78 - 120    | 10  | 20        |
| 1,3,5-Trimethylbenzene                | <0.12         |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 80 - 122    | 8   | 20        |
| 1,3-Dichlorobenzene                   | <0.33         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 120    | 9   | 20        |
| 1,3-Dichloropropane                   | <0.17         |                  | 25.0        | 26.1       |               | ug/L |   | 104  | 77 - 122    | 7   | 20        |
| 1,4-Dichlorobenzene                   | <0.39         |                  | 25.0        | 25.5       |               | ug/L |   | 102  | 80 - 120    | 8   | 20        |
| 2,2-Dichloropropane                   | <0.17         |                  | 25.0        | 24.5       |               | ug/L |   | 98   | 75 - 131    | 11  | 22        |
| 2-Butanone (MEK)                      | <4.6          |                  | 100         | 97.0       |               | ug/L |   | 97   | 58 - 135    | 5   | 20        |
| 2-Chlorotoluene                       | <0.34         |                  | 25.0        | 26.5       |               | ug/L |   | 106  | 80 - 120    | 6   | 20        |
| 2-Hexanone                            | <0.81         |                  | 100         | 101        |               | ug/L |   | 101  | 62 - 137    | 11  | 21        |
| 4-Chlorotoluene                       | <0.21         |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 80 - 120    | 11  | 20        |
| 4-Methyl-2-pentanone (MIBK)           | <0.98         |                  | 100         | 98.9       |               | ug/L |   | 99   | 66 - 135    | 8   | 20        |
| Acetone                               | <6.6          | F2               | 100         | 124        | F2            | ug/L |   | 124  | 61 - 134    | 34  | 21        |
| Benzene                               | <0.14         |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 80 - 120    | 8   | 20        |
| Bromobenzene                          | <0.19         |                  | 25.0        | 27.1       |               | ug/L |   | 109  | 80 - 120    | 9   | 20        |
| Bromochloromethane                    | <0.40         |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 123    | 10  | 20        |
| Bromodichloromethane                  | <0.19         |                  | 25.0        | 25.1       |               | ug/L |   | 100  | 80 - 123    | 9   | 20        |
| Bromoform                             | <0.25         |                  | 25.0        | 23.4       |               | ug/L |   | 94   | 79 - 138    | 15  | 20        |
| Bromomethane                          | <2.4          |                  | 25.0        | 30.6       |               | ug/L |   | 122  | 29 - 148    | 18  | 40        |
| Carbon disulfide                      | <0.26         | F1 F2            | 25.0        | 30.5       | F1 F2         | ug/L |   | 122  | 70 - 121    | 22  | 20        |
| Carbon tetrachloride                  | <0.23         |                  | 25.0        | 25.1       |               | ug/L |   | 101  | 79 - 127    | 12  | 20        |
| Chlorobenzene                         | <0.092        |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 80 - 120    | 9   | 20        |
| Chloroethane                          | <0.64         |                  | 25.0        | 32.1       |               | ug/L |   | 128  | 56 - 141    | 7   | 30        |
| Chloroform                            | <0.36         |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 80 - 120    | 10  | 20        |
| Chloromethane                         | <0.23         |                  | 25.0        | 21.5       |               | ug/L |   | 86   | 56 - 133    | 10  | 20        |
| cis-1,2-Dichloroethene                | <0.32         |                  | 25.0        | 25.9       |               | ug/L |   | 104  | 80 - 120    | 9   | 20        |
| cis-1,3-Dichloropropene               | <0.16         |                  | 25.0        | 24.7       |               | ug/L |   | 99   | 76 - 129    | 8   | 20        |
| Dibromochloromethane                  | <0.28         |                  | 25.0        | 24.7       |               | ug/L |   | 99   | 80 - 125    | 12  | 20        |
| Dibromomethane                        | <0.34         |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120    | 8   | 20        |
| Dichlorodifluoromethane               | <0.30         |                  | 25.0        | 21.4       |               | ug/L |   | 86   | 47 - 135    | 11  | 21        |
| Ethylbenzene                          | <0.14         |                  | 25.0        | 27.4       |               | ug/L |   | 109  | 80 - 120    | 8   | 20        |
| Hexachlorobutadiene                   | <0.53         |                  | 25.0        | 23.7       |               | ug/L |   | 95   | 73 - 128    | 8   | 20        |
| Isopropylbenzene                      | <0.16         |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 78 - 122    | 8   | 20        |
| Methyl tert-butyl ether               | <0.25         |                  | 25.0        | 27.9       |               | ug/L |   | 111  | 80 - 120    | 10  | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-36 MSD

Matrix: Water

Analysis Batch: 673689

Client Sample ID: MW-25D2-202410

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Methylene Chloride        | <0.94         |                  | 25.0        | 25.5       |               | ug/L |   | 102  | 78 - 120    | 11  | 20        |
| m-Xylene & p-Xylene       | <0.36         |                  | 25.0        | 27.2       |               | ug/L |   | 109  | 80 - 120    | 9   | 20        |
| Naphthalene               | <0.99         | F2 *             | 25.0        | 26.6       | F2            | ug/L |   | 106  | 60 - 124    | 32  | 21        |
| n-Butylbenzene            | <0.23         |                  | 25.0        | 25.3       |               | ug/L |   | 101  | 59 - 140    | 8   | 20        |
| n-Hexane                  | <0.16         |                  | 25.0        | 21.5       |               | ug/L |   | 86   | 55 - 143    | 8   | 23        |
| N-Propylbenzene           | <0.18         |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 80 - 123    | 9   | 20        |
| o-Xylene                  | <0.11         |                  | 25.0        | 27.0       |               | ug/L |   | 108  | 80 - 120    | 9   | 20        |
| p-Isopropyltoluene        | <0.19         |                  | 25.0        | 25.9       |               | ug/L |   | 104  | 80 - 122    | 7   | 20        |
| sec-Butylbenzene          | <0.20         |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 80 - 123    | 7   | 20        |
| Styrene                   | <0.13         |                  | 25.0        | 27.0       |               | ug/L |   | 108  | 80 - 120    | 10  | 20        |
| tert-Butylbenzene         | <0.18         |                  | 25.0        | 26.3       |               | ug/L |   | 105  | 80 - 120    | 8   | 20        |
| Tetrachloroethene         | <0.40         |                  | 25.0        | 26.4       |               | ug/L |   | 106  | 80 - 121    | 9   | 20        |
| Tetrahydrofuran           | <0.84         |                  | 50.0        | 52.5       |               | ug/L |   | 105  | 62 - 130    | 16  | 20        |
| Toluene                   | <0.32         |                  | 25.0        | 27.7       |               | ug/L |   | 111  | 80 - 120    | 10  | 20        |
| trans-1,2-Dichloroethene  | <0.37         |                  | 25.0        | 28.4       |               | ug/L |   | 114  | 79 - 121    | 11  | 20        |
| trans-1,3-Dichloropropene | <0.14         |                  | 25.0        | 23.4       |               | ug/L |   | 94   | 80 - 123    | 11  | 20        |
| Trichloroethene           | <0.30         |                  | 25.0        | 25.7       |               | ug/L |   | 103  | 80 - 120    | 9   | 20        |
| Trichlorofluoromethane    | <0.20         |                  | 25.0        | 27.7       |               | ug/L |   | 111  | 54 - 144    | 21  | 28        |
| Vinyl chloride            | <0.23         |                  | 25.0        | 23.1       |               | ug/L |   | 93   | 67 - 127    | 11  | 25        |
| Xylenes, Total            | <0.11         |                  | 50.0        | 54.2       |               | ug/L |   | 108  | 80 - 120    | 9   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 101           |               | 78 - 120 |
| Toluene-d8 (Surr)            | 102           |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 100           |               | 77 - 120 |

Lab Sample ID: MB 280-673877/9

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1,1-Trichloroethane                 | <0.39     |              | 1.0 | 0.39 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21     |              | 1.0 | 0.21 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73     |              | 3.0 | 0.73 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1,2-Trichloroethane                 | <0.27     |              | 1.0 | 0.27 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1-Dichloroethane                    | <0.22     |              | 1.0 | 0.22 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1-Dichloroethene                    | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,1-Dichloropropene                   | <0.19     |              | 1.0 | 0.19 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2      |              | 4.0 | 1.2  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2,3-Trichloropropane                | <0.28     |              | 2.5 | 0.28 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58     |              | 1.0 | 0.58 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15     |              | 1.0 | 0.15 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42     |              | 5.0 | 0.42 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2-Dibromoethane                     | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2-Dichlorobenzene                   | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,2-Dichloroethane                    | <0.28     |              | 1.0 | 0.28 | ug/L |   |          | 11/05/24 22:13 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673877/9

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|-------|------|---|----------|----------------|---------|
| 1,2-Dichloropropane         | <0.24     |              | 1.0 | 0.24  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,3,5-Trimethylbenzene      | <0.12     |              | 1.0 | 0.12  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,3-Dichlorobenzene         | <0.33     |              | 1.0 | 0.33  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,3-Dichloropropane         | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 1,4-Dichlorobenzene         | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 2,2-Dichloropropane         | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 2-Butanone (MEK)            | <4.6      |              | 10  | 4.6   | ug/L |   |          | 11/05/24 22:13 | 1       |
| 2-Chlorotoluene             | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 2-Hexanone                  | <0.81     |              | 5.0 | 0.81  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 4-Chlorotoluene             | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 11/05/24 22:13 | 1       |
| 4-Methyl-2-pentanone (MIBK) | <0.98     |              | 5.0 | 0.98  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Acetone                     | <6.6      |              | 15  | 6.6   | ug/L |   |          | 11/05/24 22:13 | 1       |
| Benzene                     | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Bromobenzene                | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Bromochloromethane          | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Bromodichloromethane        | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Bromoform                   | <0.25     |              | 2.0 | 0.25  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Bromomethane                | <2.4      |              | 5.0 | 2.4   | ug/L |   |          | 11/05/24 22:13 | 1       |
| Carbon disulfide            | <0.26     |              | 2.0 | 0.26  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Carbon tetrachloride        | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Chlorobenzene               | <0.092    |              | 1.0 | 0.092 | ug/L |   |          | 11/05/24 22:13 | 1       |
| Chloroethane                | <0.64     |              | 2.0 | 0.64  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Chloroform                  | <0.36     |              | 1.0 | 0.36  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Chloromethane               | <0.23     |              | 2.0 | 0.23  | ug/L |   |          | 11/05/24 22:13 | 1       |
| cis-1,2-Dichloroethene      | <0.32     |              | 1.0 | 0.32  | ug/L |   |          | 11/05/24 22:13 | 1       |
| cis-1,3-Dichloropropene     | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Dibromochloromethane        | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Dibromomethane              | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Dichlorodifluoromethane     | <0.30     |              | 2.0 | 0.30  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Diisopropyl ether           | <1.1      |              | 10  | 1.1   | ug/L |   |          | 11/05/24 22:13 | 1       |
| Ethylbenzene                | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Hexachlorobutadiene         | <0.53     |              | 2.0 | 0.53  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Isopropylbenzene            | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Methyl tert-butyl ether     | <0.25     |              | 5.0 | 0.25  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Methylene Chloride          | <0.94     |              | 2.0 | 0.94  | ug/L |   |          | 11/05/24 22:13 | 1       |
| m-Xylene & p-Xylene         | <0.36     |              | 2.0 | 0.36  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Naphthalene                 | <0.99     |              | 3.0 | 0.99  | ug/L |   |          | 11/05/24 22:13 | 1       |
| n-Butylbenzene              | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/05/24 22:13 | 1       |
| n-Hexane                    | <0.16     |              | 2.0 | 0.16  | ug/L |   |          | 11/05/24 22:13 | 1       |
| N-Propylbenzene             | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/05/24 22:13 | 1       |
| o-Xylene                    | <0.11     |              | 1.0 | 0.11  | ug/L |   |          | 11/05/24 22:13 | 1       |
| p-Isopropyltoluene          | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/05/24 22:13 | 1       |
| sec-Butylbenzene            | <0.20     |              | 1.0 | 0.20  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Styrene                     | <0.13     |              | 1.0 | 0.13  | ug/L |   |          | 11/05/24 22:13 | 1       |
| tert-Butylbenzene           | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Tetrachloroethene           | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Tetrahydrofuran             | <0.84     |              | 7.0 | 0.84  | ug/L |   |          | 11/05/24 22:13 | 1       |
| Toluene                     | <0.32     |              | 1.0 | 0.32  | ug/L |   |          | 11/05/24 22:13 | 1       |
| trans-1,2-Dichloroethene    | <0.37     |              | 1.0 | 0.37  | ug/L |   |          | 11/05/24 22:13 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673877/9

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/05/24 22:13 | 1       |
| Trichloroethene           | <0.30     |              | 1.0 | 0.30 | ug/L |   |          | 11/05/24 22:13 | 1       |
| Trichlorofluoromethane    | <0.20     |              | 2.0 | 0.20 | ug/L |   |          | 11/05/24 22:13 | 1       |
| Vinyl chloride            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/05/24 22:13 | 1       |
| Xylenes, Total            | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 11/05/24 22:13 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 70 - 127 |          | 11/05/24 22:13 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93           |              | 78 - 120 |          | 11/05/24 22:13 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 80 - 125 |          | 11/05/24 22:13 | 1       |
| Dibromofluoromethane (Surr)  | 102          |              | 77 - 120 |          | 11/05/24 22:13 | 1       |

Lab Sample ID: LCS 280-673877/4

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 46.4       |               | ug/L |   | 93   | 80 - 124    |
| 1,1,1-Trichloroethane                 | 50.0        | 45.6       |               | ug/L |   | 91   | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 47.5       |               | ug/L |   | 95   | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 41.0       |               | ug/L |   | 82   | 73 - 132    |
| 1,1,2-Trichloroethane                 | 50.0        | 46.6       |               | ug/L |   | 93   | 80 - 120    |
| 1,1-Dichloroethane                    | 50.0        | 47.6       |               | ug/L |   | 95   | 78 - 121    |
| 1,1-Dichloroethene                    | 50.0        | 42.7       |               | ug/L |   | 85   | 77 - 121    |
| 1,1-Dichloropropene                   | 50.0        | 46.4       |               | ug/L |   | 93   | 77 - 123    |
| 1,2,3-Trichlorobenzene                | 50.0        | 42.0       |               | ug/L |   | 84   | 65 - 129    |
| 1,2,3-Trichloropropane                | 50.0        | 45.5       |               | ug/L |   | 91   | 80 - 120    |
| 1,2,4-Trichlorobenzene                | 50.0        | 43.2       |               | ug/L |   | 86   | 74 - 126    |
| 1,2,4-Trimethylbenzene                | 50.0        | 50.0       |               | ug/L |   | 100  | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 37.1       |               | ug/L |   | 74   | 73 - 128    |
| 1,2-Dibromoethane                     | 50.0        | 46.3       |               | ug/L |   | 93   | 80 - 120    |
| 1,2-Dichlorobenzene                   | 50.0        | 49.4       |               | ug/L |   | 99   | 80 - 120    |
| 1,2-Dichloroethane                    | 50.0        | 50.0       |               | ug/L |   | 100  | 71 - 121    |
| 1,2-Dichloropropane                   | 50.0        | 47.7       |               | ug/L |   | 95   | 78 - 120    |
| 1,3,5-Trimethylbenzene                | 50.0        | 49.5       |               | ug/L |   | 99   | 80 - 122    |
| 1,3-Dichlorobenzene                   | 50.0        | 50.0       |               | ug/L |   | 100  | 80 - 120    |
| 1,3-Dichloropropane                   | 50.0        | 48.0       |               | ug/L |   | 96   | 77 - 122    |
| 1,4-Dichlorobenzene                   | 50.0        | 48.5       |               | ug/L |   | 97   | 80 - 120    |
| 2,2-Dichloropropane                   | 50.0        | 43.5       |               | ug/L |   | 87   | 75 - 131    |
| 2-Butanone (MEK)                      | 200         | 176        |               | ug/L |   | 88   | 58 - 135    |
| 2-Chlorotoluene                       | 50.0        | 47.4       |               | ug/L |   | 95   | 80 - 120    |
| 2-Hexanone                            | 200         | 181        |               | ug/L |   | 91   | 62 - 137    |
| 4-Chlorotoluene                       | 50.0        | 48.4       |               | ug/L |   | 97   | 80 - 120    |
| 4-Methyl-2-pentanone (MIBK)           | 200         | 181        |               | ug/L |   | 90   | 66 - 135    |
| Acetone                               | 200         | 184        |               | ug/L |   | 92   | 61 - 134    |
| Benzene                               | 50.0        | 46.8       |               | ug/L |   | 94   | 80 - 120    |
| Bromobenzene                          | 50.0        | 48.3       |               | ug/L |   | 97   | 80 - 120    |
| Bromochloromethane                    | 50.0        | 47.2       |               | ug/L |   | 94   | 80 - 123    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673877/4

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| Bromodichloromethane      | 50.0        | 47.7       |               | ug/L |   | 95   | 80 - 123    |
| Bromoform                 | 50.0        | 42.6       |               | ug/L |   | 85   | 79 - 138    |
| Bromomethane              | 50.0        | 58.1       |               | ug/L |   | 116  | 29 - 148    |
| Carbon disulfide          | 50.0        | 44.1       |               | ug/L |   | 88   | 70 - 121    |
| Carbon tetrachloride      | 50.0        | 44.7       |               | ug/L |   | 89   | 79 - 127    |
| Chlorobenzene             | 50.0        | 48.6       |               | ug/L |   | 97   | 80 - 120    |
| Chloroethane              | 50.0        | 44.1       |               | ug/L |   | 88   | 56 - 141    |
| Chloroform                | 50.0        | 49.3       |               | ug/L |   | 99   | 80 - 120    |
| Chloromethane             | 50.0        | 50.3       |               | ug/L |   | 101  | 56 - 133    |
| cis-1,2-Dichloroethene    | 50.0        | 45.7       |               | ug/L |   | 91   | 80 - 120    |
| cis-1,3-Dichloropropene   | 50.0        | 44.9       |               | ug/L |   | 90   | 76 - 129    |
| Dibromochloromethane      | 50.0        | 45.9       |               | ug/L |   | 92   | 80 - 125    |
| Dibromomethane            | 50.0        | 47.5       |               | ug/L |   | 95   | 80 - 120    |
| Dichlorodifluoromethane   | 50.0        | 32.3       |               | ug/L |   | 65   | 47 - 135    |
| Ethylbenzene              | 50.0        | 47.8       |               | ug/L |   | 96   | 80 - 120    |
| Hexachlorobutadiene       | 50.0        | 44.6       |               | ug/L |   | 89   | 73 - 128    |
| Isopropylbenzene          | 50.0        | 47.1       |               | ug/L |   | 94   | 78 - 122    |
| Methyl tert-butyl ether   | 50.0        | 41.7       |               | ug/L |   | 83   | 80 - 120    |
| Methylene Chloride        | 50.0        | 46.4       |               | ug/L |   | 93   | 78 - 120    |
| m-Xylene & p-Xylene       | 50.0        | 47.4       |               | ug/L |   | 95   | 80 - 120    |
| Naphthalene               | 50.0        | 40.2       |               | ug/L |   | 80   | 60 - 124    |
| n-Butylbenzene            | 50.0        | 51.2       |               | ug/L |   | 102  | 59 - 140    |
| n-Hexane                  | 50.0        | 42.7       |               | ug/L |   | 85   | 55 - 143    |
| N-Propylbenzene           | 50.0        | 48.4       |               | ug/L |   | 97   | 80 - 123    |
| o-Xylene                  | 50.0        | 48.2       |               | ug/L |   | 96   | 80 - 120    |
| p-Isopropyltoluene        | 50.0        | 49.2       |               | ug/L |   | 98   | 80 - 122    |
| sec-Butylbenzene          | 50.0        | 47.3       |               | ug/L |   | 95   | 80 - 123    |
| Styrene                   | 50.0        | 48.8       |               | ug/L |   | 98   | 80 - 120    |
| tert-Butylbenzene         | 50.0        | 48.1       |               | ug/L |   | 96   | 80 - 120    |
| Tetrachloroethene         | 50.0        | 45.4       |               | ug/L |   | 91   | 80 - 121    |
| Tetrahydrofuran           | 100         | 85.0       |               | ug/L |   | 85   | 62 - 130    |
| Toluene                   | 50.0        | 48.4       |               | ug/L |   | 97   | 80 - 120    |
| trans-1,2-Dichloroethene  | 50.0        | 44.4       |               | ug/L |   | 89   | 79 - 121    |
| trans-1,3-Dichloropropene | 50.0        | 45.7       |               | ug/L |   | 91   | 80 - 123    |
| Trichloroethene           | 50.0        | 44.6       |               | ug/L |   | 89   | 80 - 120    |
| Trichlorofluoromethane    | 50.0        | 45.9       |               | ug/L |   | 92   | 54 - 144    |
| Vinyl chloride            | 50.0        | 55.8       |               | ug/L |   | 112  | 67 - 127    |
| Xylenes, Total            | 100         | 95.6       |               | ug/L |   | 96   | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 93            |               | 78 - 120 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 100           |               | 77 - 120 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673877/6

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Diisopropyl ether            | 25.0        | 20.5       |               | ug/L |   | 82   | 63 - 128    |
| LCS LCS                      |             |            |               |      |   |      |             |
| Surrogate                    | %Recovery   | Qualifier  | Limits        |      |   |      |             |
| 1,2-Dichloroethane-d4 (Surr) | 105         |            | 70 - 127      |      |   |      |             |
| 4-Bromofluorobenzene (Surr)  | 94          |            | 78 - 120      |      |   |      |             |
| Toluene-d8 (Surr)            | 100         |            | 80 - 125      |      |   |      |             |
| Dibromofluoromethane (Surr)  | 102         |            | 77 - 120      |      |   |      |             |

Lab Sample ID: LCSD 280-673877/5

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 46.7        |                | ug/L |   | 93   | 80 - 124    | 1   | 20        |
| 1,1,1-Trichloroethane                 | 50.0        | 44.8        |                | ug/L |   | 90   | 80 - 123    | 2   | 20        |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 46.4        |                | ug/L |   | 93   | 74 - 123    | 2   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 41.0        |                | ug/L |   | 82   | 73 - 132    | 0   | 23        |
| 1,1,2-Trichloroethane                 | 50.0        | 46.6        |                | ug/L |   | 93   | 80 - 120    | 0   | 20        |
| 1,1-Dichloroethane                    | 50.0        | 48.2        |                | ug/L |   | 96   | 78 - 121    | 1   | 20        |
| 1,1-Dichloroethene                    | 50.0        | 43.1        |                | ug/L |   | 86   | 77 - 121    | 1   | 21        |
| 1,1-Dichloropropene                   | 50.0        | 45.9        |                | ug/L |   | 92   | 77 - 123    | 1   | 20        |
| 1,2,3-Trichlorobenzene                | 50.0        | 42.4        |                | ug/L |   | 85   | 65 - 129    | 1   | 20        |
| 1,2,3-Trichloropropane                | 50.0        | 44.4        |                | ug/L |   | 89   | 80 - 120    | 3   | 20        |
| 1,2,4-Trichlorobenzene                | 50.0        | 43.0        |                | ug/L |   | 86   | 74 - 126    | 0   | 20        |
| 1,2,4-Trimethylbenzene                | 50.0        | 48.8        |                | ug/L |   | 98   | 79 - 124    | 3   | 20        |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 38.2        |                | ug/L |   | 76   | 73 - 128    | 3   | 21        |
| 1,2-Dibromoethane                     | 50.0        | 47.3        |                | ug/L |   | 95   | 80 - 120    | 2   | 20        |
| 1,2-Dichlorobenzene                   | 50.0        | 48.6        |                | ug/L |   | 97   | 80 - 120    | 2   | 20        |
| 1,2-Dichloroethane                    | 50.0        | 49.9        |                | ug/L |   | 100  | 71 - 121    | 0   | 20        |
| 1,2-Dichloropropane                   | 50.0        | 48.0        |                | ug/L |   | 96   | 78 - 120    | 1   | 20        |
| 1,3,5-Trimethylbenzene                | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 122    | 2   | 20        |
| 1,3-Dichlorobenzene                   | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 120    | 3   | 20        |
| 1,3-Dichloropropane                   | 50.0        | 48.0        |                | ug/L |   | 96   | 77 - 122    | 0   | 20        |
| 1,4-Dichlorobenzene                   | 50.0        | 47.7        |                | ug/L |   | 95   | 80 - 120    | 2   | 20        |
| 2,2-Dichloropropane                   | 50.0        | 42.5        |                | ug/L |   | 85   | 75 - 131    | 2   | 22        |
| 2-Butanone (MEK)                      | 200         | 183         |                | ug/L |   | 91   | 58 - 135    | 4   | 20        |
| 2-Chlorotoluene                       | 50.0        | 46.4        |                | ug/L |   | 93   | 80 - 120    | 2   | 20        |
| 2-Hexanone                            | 200         | 186         |                | ug/L |   | 93   | 62 - 137    | 3   | 21        |
| 4-Chlorotoluene                       | 50.0        | 48.1        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |
| 4-Methyl-2-pentanone (MIBK)           | 200         | 185         |                | ug/L |   | 93   | 66 - 135    | 3   | 20        |
| Acetone                               | 200         | 187         |                | ug/L |   | 94   | 61 - 134    | 2   | 21        |
| Benzene                               | 50.0        | 46.9        |                | ug/L |   | 94   | 80 - 120    | 0   | 20        |
| Bromobenzene                          | 50.0        | 48.0        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |
| Bromochloromethane                    | 50.0        | 46.5        |                | ug/L |   | 93   | 80 - 123    | 2   | 20        |
| Bromodichloromethane                  | 50.0        | 47.8        |                | ug/L |   | 96   | 80 - 123    | 0   | 20        |
| Bromoform                             | 50.0        | 44.2        |                | ug/L |   | 88   | 79 - 138    | 4   | 20        |
| Bromomethane                          | 50.0        | 58.8        |                | ug/L |   | 118  | 29 - 148    | 1   | 40        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673877/5

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Carbon disulfide          | 50.0        | 44.0        |                | ug/L |   | 88   | 70 - 121    | 0   | 20        |
| Carbon tetrachloride      | 50.0        | 44.3        |                | ug/L |   | 89   | 79 - 127    | 1   | 20        |
| Chlorobenzene             | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 120    | 0   | 20        |
| Chloroethane              | 50.0        | 42.4        |                | ug/L |   | 85   | 56 - 141    | 4   | 30        |
| Chloroform                | 50.0        | 49.0        |                | ug/L |   | 98   | 80 - 120    | 1   | 20        |
| Chloromethane             | 50.0        | 48.8        |                | ug/L |   | 98   | 56 - 133    | 3   | 20        |
| cis-1,2-Dichloroethene    | 50.0        | 45.2        |                | ug/L |   | 90   | 80 - 120    | 1   | 20        |
| cis-1,3-Dichloropropene   | 50.0        | 45.0        |                | ug/L |   | 90   | 76 - 129    | 0   | 20        |
| Dibromochloromethane      | 50.0        | 45.9        |                | ug/L |   | 92   | 80 - 125    | 0   | 20        |
| Dibromomethane            | 50.0        | 48.2        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |
| Dichlorodifluoromethane   | 50.0        | 30.9        |                | ug/L |   | 62   | 47 - 135    | 4   | 21        |
| Ethylbenzene              | 50.0        | 48.0        |                | ug/L |   | 96   | 80 - 120    | 0   | 20        |
| Hexachlorobutadiene       | 50.0        | 42.9        |                | ug/L |   | 86   | 73 - 128    | 4   | 20        |
| Isopropylbenzene          | 50.0        | 46.2        |                | ug/L |   | 92   | 78 - 122    | 2   | 20        |
| Methyl tert-butyl ether   | 50.0        | 42.2        |                | ug/L |   | 84   | 80 - 120    | 1   | 20        |
| Methylene Chloride        | 50.0        | 46.6        |                | ug/L |   | 93   | 78 - 120    | 0   | 20        |
| m-Xylene & p-Xylene       | 50.0        | 48.0        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |
| Naphthalene               | 50.0        | 40.5        |                | ug/L |   | 81   | 60 - 124    | 1   | 21        |
| n-Butylbenzene            | 50.0        | 50.1        |                | ug/L |   | 100  | 59 - 140    | 2   | 20        |
| n-Hexane                  | 50.0        | 43.0        |                | ug/L |   | 86   | 55 - 143    | 1   | 23        |
| N-Propylbenzene           | 50.0        | 46.9        |                | ug/L |   | 94   | 80 - 123    | 3   | 20        |
| o-Xylene                  | 50.0        | 48.2        |                | ug/L |   | 96   | 80 - 120    | 0   | 20        |
| p-Isopropyltoluene        | 50.0        | 48.2        |                | ug/L |   | 96   | 80 - 122    | 2   | 20        |
| sec-Butylbenzene          | 50.0        | 46.6        |                | ug/L |   | 93   | 80 - 123    | 2   | 20        |
| Styrene                   | 50.0        | 48.3        |                | ug/L |   | 97   | 80 - 120    | 1   | 20        |
| tert-Butylbenzene         | 50.0        | 47.2        |                | ug/L |   | 94   | 80 - 120    | 2   | 20        |
| Tetrachloroethene         | 50.0        | 45.6        |                | ug/L |   | 91   | 80 - 121    | 1   | 20        |
| Tetrahydrofuran           | 100         | 87.3        |                | ug/L |   | 87   | 62 - 130    | 3   | 20        |
| Toluene                   | 50.0        | 48.4        |                | ug/L |   | 97   | 80 - 120    | 0   | 20        |
| trans-1,2-Dichloroethene  | 50.0        | 45.0        |                | ug/L |   | 90   | 79 - 121    | 1   | 20        |
| trans-1,3-Dichloropropene | 50.0        | 45.9        |                | ug/L |   | 92   | 80 - 123    | 1   | 20        |
| Trichloroethene           | 50.0        | 45.0        |                | ug/L |   | 90   | 80 - 120    | 1   | 20        |
| Trichlorofluoromethane    | 50.0        | 44.2        |                | ug/L |   | 88   | 54 - 144    | 4   | 28        |
| Vinyl chloride            | 50.0        | 53.5        |                | ug/L |   | 107  | 67 - 127    | 4   | 25        |
| Xylenes, Total            | 100         | 96.2        |                | ug/L |   | 96   | 80 - 120    | 1   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 92             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 101            |                | 77 - 120 |

Lab Sample ID: LCSD 280-673877/7

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Diisopropyl ether | 25.0        | 21.8        |                | ug/L |   | 87   | 63 - 128    | 6   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673877/7

Matrix: Water

Analysis Batch: 673877

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 93             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 102            |                | 77 - 120 |

Lab Sample ID: MB 280-673881/9

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | LOQ | LOD   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | <0.16     |              | 1.0 | 0.16  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1,1-Trichloroethane                 | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1,2,2-Tetrachloroethane             | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73     |              | 3.0 | 0.73  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1,2-Trichloroethane                 | <0.27     |              | 1.0 | 0.27  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1-Dichloroethane                    | <0.22     |              | 1.0 | 0.22  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1-Dichloroethene                    | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,1-Dichloropropene                   | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2,3-Trichlorobenzene                | <1.2      |              | 4.0 | 1.2   | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2,3-Trichloropropane                | <0.28     |              | 2.5 | 0.28  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2,4-Trichlorobenzene                | <0.58     |              | 1.0 | 0.58  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2,4-Trimethylbenzene                | <0.15     |              | 1.0 | 0.15  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2-Dibromo-3-Chloropropane           | <0.42     |              | 5.0 | 0.42  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2-Dibromoethane                     | <0.18     |              | 1.0 | 0.18  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2-Dichlorobenzene                   | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2-Dichloroethane                    | <0.28     |              | 1.0 | 0.28  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,2-Dichloropropane                   | <0.24     |              | 1.0 | 0.24  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,3,5-Trimethylbenzene                | <0.12     |              | 1.0 | 0.12  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,3-Dichlorobenzene                   | <0.33     |              | 1.0 | 0.33  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,3-Dichloropropane                   | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 1,4-Dichlorobenzene                   | <0.39     |              | 1.0 | 0.39  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 2,2-Dichloropropane                   | <0.17     |              | 1.0 | 0.17  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 2-Butanone (MEK)                      | <4.6      |              | 10  | 4.6   | ug/L |   |          | 11/06/24 07:49 | 1       |
| 2-Chlorotoluene                       | <0.34     |              | 1.0 | 0.34  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 2-Hexanone                            | <0.81     |              | 5.0 | 0.81  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 4-Chlorotoluene                       | <0.21     |              | 1.0 | 0.21  | ug/L |   |          | 11/06/24 07:49 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98     |              | 5.0 | 0.98  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Acetone                               | <6.6      |              | 15  | 6.6   | ug/L |   |          | 11/06/24 07:49 | 1       |
| Benzene                               | <0.14     |              | 1.0 | 0.14  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Bromobenzene                          | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Bromochloromethane                    | <0.40     |              | 1.0 | 0.40  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Bromodichloromethane                  | <0.19     |              | 1.0 | 0.19  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Bromoform                             | <0.25     |              | 2.0 | 0.25  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Bromomethane                          | <2.4      |              | 5.0 | 2.4   | ug/L |   |          | 11/06/24 07:49 | 1       |
| Carbon disulfide                      | <0.26     |              | 2.0 | 0.26  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Carbon tetrachloride                  | <0.23     |              | 1.0 | 0.23  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Chlorobenzene                         | <0.092    |              | 1.0 | 0.092 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Chloroethane                          | <0.64     |              | 2.0 | 0.64  | ug/L |   |          | 11/06/24 07:49 | 1       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-673881/9

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | LOQ | LOD  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Chloroform                | <0.36     |              | 1.0 | 0.36 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Chloromethane             | <0.23     |              | 2.0 | 0.23 | ug/L |   |          | 11/06/24 07:49 | 1       |
| cis-1,2-Dichloroethene    | <0.32     |              | 1.0 | 0.32 | ug/L |   |          | 11/06/24 07:49 | 1       |
| cis-1,3-Dichloropropene   | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Dibromochloromethane      | <0.28     |              | 1.0 | 0.28 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Dibromomethane            | <0.34     |              | 1.0 | 0.34 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Dichlorodifluoromethane   | <0.30     |              | 2.0 | 0.30 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Diisopropyl ether         | <1.1      |              | 10  | 1.1  | ug/L |   |          | 11/06/24 07:49 | 1       |
| Ethylbenzene              | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Hexachlorobutadiene       | <0.53     |              | 2.0 | 0.53 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Isopropylbenzene          | <0.16     |              | 1.0 | 0.16 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Methyl tert-butyl ether   | <0.25     |              | 5.0 | 0.25 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Methylene Chloride        | <0.94     |              | 2.0 | 0.94 | ug/L |   |          | 11/06/24 07:49 | 1       |
| m-Xylene & p-Xylene       | <0.36     |              | 2.0 | 0.36 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Naphthalene               | <0.99     |              | 3.0 | 0.99 | ug/L |   |          | 11/06/24 07:49 | 1       |
| n-Butylbenzene            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/06/24 07:49 | 1       |
| n-Hexane                  | <0.16     |              | 2.0 | 0.16 | ug/L |   |          | 11/06/24 07:49 | 1       |
| N-Propylbenzene           | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/06/24 07:49 | 1       |
| o-Xylene                  | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 11/06/24 07:49 | 1       |
| p-Isopropyltoluene        | <0.19     |              | 1.0 | 0.19 | ug/L |   |          | 11/06/24 07:49 | 1       |
| sec-Butylbenzene          | <0.20     |              | 1.0 | 0.20 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Styrene                   | <0.13     |              | 1.0 | 0.13 | ug/L |   |          | 11/06/24 07:49 | 1       |
| tert-Butylbenzene         | <0.18     |              | 1.0 | 0.18 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Tetrachloroethene         | <0.40     |              | 1.0 | 0.40 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Tetrahydrofuran           | <0.84     |              | 7.0 | 0.84 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Toluene                   | <0.32     |              | 1.0 | 0.32 | ug/L |   |          | 11/06/24 07:49 | 1       |
| trans-1,2-Dichloroethene  | <0.37     |              | 1.0 | 0.37 | ug/L |   |          | 11/06/24 07:49 | 1       |
| trans-1,3-Dichloropropene | <0.14     |              | 1.0 | 0.14 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Trichloroethene           | <0.30     |              | 1.0 | 0.30 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Trichlorofluoromethane    | <0.20     |              | 2.0 | 0.20 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Vinyl chloride            | <0.23     |              | 1.0 | 0.23 | ug/L |   |          | 11/06/24 07:49 | 1       |
| Xylenes, Total            | <0.11     |              | 1.0 | 0.11 | ug/L |   |          | 11/06/24 07:49 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97           |              | 70 - 127 |          | 11/06/24 07:49 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97           |              | 78 - 120 |          | 11/06/24 07:49 | 1       |
| Toluene-d8 (Surr)            | 108          |              | 80 - 125 |          | 11/06/24 07:49 | 1       |
| Dibromofluoromethane (Surr)  | 92           |              | 77 - 120 |          | 11/06/24 07:49 | 1       |

Lab Sample ID: LCS 280-673881/4

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 50.6       |               | ug/L |   | 101  | 80 - 124    |
| 1,1,1-Trichloroethane                 | 50.0        | 47.4       |               | ug/L |   | 95   | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 49.7       |               | ug/L |   | 99   | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 46.7       |               | ug/L |   | 93   | 73 - 132    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673881/4

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,2-Trichloroethane       | 50.0        | 47.9       |               | ug/L |   | 96   | 80 - 120    |
| 1,1-Dichloroethane          | 50.0        | 47.9       |               | ug/L |   | 96   | 78 - 121    |
| 1,1-Dichloroethene          | 50.0        | 44.9       |               | ug/L |   | 90   | 77 - 121    |
| 1,1-Dichloropropene         | 50.0        | 45.8       |               | ug/L |   | 92   | 77 - 123    |
| 1,2,3-Trichlorobenzene      | 50.0        | 48.5       |               | ug/L |   | 97   | 65 - 129    |
| 1,2,3-Trichloropropane      | 50.0        | 54.1       |               | ug/L |   | 108  | 80 - 120    |
| 1,2,4-Trichlorobenzene      | 50.0        | 47.8       |               | ug/L |   | 96   | 74 - 126    |
| 1,2,4-Trimethylbenzene      | 50.0        | 46.1       |               | ug/L |   | 92   | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 49.4       |               | ug/L |   | 99   | 73 - 128    |
| 1,2-Dibromoethane           | 50.0        | 51.8       |               | ug/L |   | 104  | 80 - 120    |
| 1,2-Dichlorobenzene         | 50.0        | 48.9       |               | ug/L |   | 98   | 80 - 120    |
| 1,2-Dichloroethane          | 50.0        | 44.9       |               | ug/L |   | 90   | 71 - 121    |
| 1,2-Dichloropropane         | 50.0        | 47.2       |               | ug/L |   | 94   | 78 - 120    |
| 1,3,5-Trimethylbenzene      | 50.0        | 46.4       |               | ug/L |   | 93   | 80 - 122    |
| 1,3-Dichlorobenzene         | 50.0        | 46.6       |               | ug/L |   | 93   | 80 - 120    |
| 1,3-Dichloropropane         | 50.0        | 50.2       |               | ug/L |   | 100  | 77 - 122    |
| 1,4-Dichlorobenzene         | 50.0        | 49.8       |               | ug/L |   | 100  | 80 - 120    |
| 2,2-Dichloropropane         | 50.0        | 49.1       |               | ug/L |   | 98   | 75 - 131    |
| 2-Butanone (MEK)            | 200         | 190        |               | ug/L |   | 95   | 58 - 135    |
| 2-Chlorotoluene             | 50.0        | 48.8       |               | ug/L |   | 98   | 80 - 120    |
| 2-Hexanone                  | 200         | 206        |               | ug/L |   | 103  | 62 - 137    |
| 4-Chlorotoluene             | 50.0        | 48.0       |               | ug/L |   | 96   | 80 - 120    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 201        |               | ug/L |   | 100  | 66 - 135    |
| Acetone                     | 200         | 180        |               | ug/L |   | 90   | 61 - 134    |
| Benzene                     | 50.0        | 46.5       |               | ug/L |   | 93   | 80 - 120    |
| Bromobenzene                | 50.0        | 49.3       |               | ug/L |   | 99   | 80 - 120    |
| Bromochloromethane          | 50.0        | 48.3       |               | ug/L |   | 97   | 80 - 123    |
| Bromodichloromethane        | 50.0        | 42.9       |               | ug/L |   | 86   | 80 - 123    |
| Bromoform                   | 50.0        | 45.9       |               | ug/L |   | 92   | 79 - 138    |
| Bromomethane                | 50.0        | 43.8       |               | ug/L |   | 88   | 29 - 148    |
| Carbon disulfide            | 50.0        | 46.6       |               | ug/L |   | 93   | 70 - 121    |
| Carbon tetrachloride        | 50.0        | 45.0       |               | ug/L |   | 90   | 79 - 127    |
| Chlorobenzene               | 50.0        | 48.8       |               | ug/L |   | 98   | 80 - 120    |
| Chloroethane                | 50.0        | 41.3       |               | ug/L |   | 83   | 56 - 141    |
| Chloroform                  | 50.0        | 46.0       |               | ug/L |   | 92   | 80 - 120    |
| Chloromethane               | 50.0        | 39.9       |               | ug/L |   | 80   | 56 - 133    |
| cis-1,2-Dichloroethene      | 50.0        | 45.9       |               | ug/L |   | 92   | 80 - 120    |
| cis-1,3-Dichloropropene     | 50.0        | 53.5       |               | ug/L |   | 107  | 76 - 129    |
| Dibromochloromethane        | 50.0        | 45.8       |               | ug/L |   | 92   | 80 - 125    |
| Dibromomethane              | 50.0        | 47.6       |               | ug/L |   | 95   | 80 - 120    |
| Dichlorodifluoromethane     | 50.0        | 28.7       |               | ug/L |   | 57   | 47 - 135    |
| Ethylbenzene                | 50.0        | 48.4       |               | ug/L |   | 97   | 80 - 120    |
| Hexachlorobutadiene         | 50.0        | 44.7       |               | ug/L |   | 89   | 73 - 128    |
| Isopropylbenzene            | 50.0        | 48.7       |               | ug/L |   | 97   | 78 - 122    |
| Methyl tert-butyl ether     | 50.0        | 48.0       |               | ug/L |   | 96   | 80 - 120    |
| Methylene Chloride          | 50.0        | 45.8       |               | ug/L |   | 92   | 78 - 120    |
| m-Xylene & p-Xylene         | 50.0        | 49.2       |               | ug/L |   | 98   | 80 - 120    |
| Naphthalene                 | 50.0        | 48.2       |               | ug/L |   | 96   | 60 - 124    |
| n-Butylbenzene              | 50.0        | 44.1       |               | ug/L |   | 88   | 59 - 140    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-673881/4

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|-------------|------------|---------------|------|---|------|-------------|
| n-Hexane                  | 50.0        | 43.7       |               | ug/L |   | 87   | 55 - 143    |
| N-Propylbenzene           | 50.0        | 47.6       |               | ug/L |   | 95   | 80 - 123    |
| o-Xylene                  | 50.0        | 48.5       |               | ug/L |   | 97   | 80 - 120    |
| p-Isopropyltoluene        | 50.0        | 45.7       |               | ug/L |   | 91   | 80 - 122    |
| sec-Butylbenzene          | 50.0        | 45.6       |               | ug/L |   | 91   | 80 - 123    |
| Styrene                   | 50.0        | 49.3       |               | ug/L |   | 99   | 80 - 120    |
| tert-Butylbenzene         | 50.0        | 47.1       |               | ug/L |   | 94   | 80 - 120    |
| Tetrachloroethene         | 50.0        | 50.5       |               | ug/L |   | 101  | 80 - 121    |
| Tetrahydrofuran           | 100         | 92.5       |               | ug/L |   | 93   | 62 - 130    |
| Toluene                   | 50.0        | 47.1       |               | ug/L |   | 94   | 80 - 120    |
| trans-1,2-Dichloroethene  | 50.0        | 46.1       |               | ug/L |   | 92   | 79 - 121    |
| trans-1,3-Dichloropropene | 50.0        | 43.0       |               | ug/L |   | 86   | 80 - 123    |
| Trichloroethene           | 50.0        | 51.8       |               | ug/L |   | 104  | 80 - 120    |
| Trichlorofluoromethane    | 50.0        | 41.5       |               | ug/L |   | 83   | 54 - 144    |
| Vinyl chloride            | 50.0        | 40.4       |               | ug/L |   | 81   | 67 - 127    |
| Xylenes, Total            | 100         | 97.7       |               | ug/L |   | 98   | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97            |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 96            |               | 78 - 120 |
| Toluene-d8 (Surr)            | 103           |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 99            |               | 77 - 120 |

Lab Sample ID: LCS 280-673881/6

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------|-------------|------------|---------------|------|---|------|-------------|
| Diisopropyl ether | 25.0        | 22.8       |               | ug/L |   | 91   | 63 - 128    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104           |               | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 78 - 120 |
| Toluene-d8 (Surr)            | 105           |               | 80 - 125 |
| Dibromofluoromethane (Surr)  | 92            |               | 77 - 120 |

Lab Sample ID: LCSD 280-673881/5

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 50.0        | 49.1        |                | ug/L |   | 98   | 80 - 124    | 3   | 20        |
| 1,1,1-Trichloroethane                 | 50.0        | 46.1        |                | ug/L |   | 92   | 80 - 123    | 3   | 20        |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 47.8        |                | ug/L |   | 96   | 74 - 123    | 4   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 45.5        |                | ug/L |   | 91   | 73 - 132    | 3   | 23        |
| 1,1,2-Trichloroethane                 | 50.0        | 44.8        |                | ug/L |   | 90   | 80 - 120    | 7   | 20        |
| 1,1-Dichloroethane                    | 50.0        | 45.6        |                | ug/L |   | 91   | 78 - 121    | 5   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673881/5

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1-Dichloroethene          | 50.0        | 42.6        |                | ug/L |   | 85   | 77 - 121    | 5   | 21        |
| 1,1-Dichloropropene         | 50.0        | 43.6        |                | ug/L |   | 87   | 77 - 123    | 5   | 20        |
| 1,2,3-Trichlorobenzene      | 50.0        | 47.7        |                | ug/L |   | 95   | 65 - 129    | 2   | 20        |
| 1,2,3-Trichloropropane      | 50.0        | 51.5        |                | ug/L |   | 103  | 80 - 120    | 5   | 20        |
| 1,2,4-Trichlorobenzene      | 50.0        | 46.5        |                | ug/L |   | 93   | 74 - 126    | 3   | 20        |
| 1,2,4-Trimethylbenzene      | 50.0        | 46.0        |                | ug/L |   | 92   | 79 - 124    | 0   | 20        |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 48.5        |                | ug/L |   | 97   | 73 - 128    | 2   | 21        |
| 1,2-Dibromoethane           | 50.0        | 48.7        |                | ug/L |   | 97   | 80 - 120    | 6   | 20        |
| 1,2-Dichlorobenzene         | 50.0        | 47.4        |                | ug/L |   | 95   | 80 - 120    | 3   | 20        |
| 1,2-Dichloroethane          | 50.0        | 42.4        |                | ug/L |   | 85   | 71 - 121    | 6   | 20        |
| 1,2-Dichloropropane         | 50.0        | 45.2        |                | ug/L |   | 90   | 78 - 120    | 4   | 20        |
| 1,3,5-Trimethylbenzene      | 50.0        | 46.7        |                | ug/L |   | 93   | 80 - 122    | 1   | 20        |
| 1,3-Dichlorobenzene         | 50.0        | 46.2        |                | ug/L |   | 92   | 80 - 120    | 1   | 20        |
| 1,3-Dichloropropane         | 50.0        | 47.7        |                | ug/L |   | 95   | 77 - 122    | 5   | 20        |
| 1,4-Dichlorobenzene         | 50.0        | 48.9        |                | ug/L |   | 98   | 80 - 120    | 2   | 20        |
| 2,2-Dichloropropane         | 50.0        | 47.1        |                | ug/L |   | 94   | 75 - 131    | 4   | 22        |
| 2-Butanone (MEK)            | 200         | 173         |                | ug/L |   | 87   | 58 - 135    | 9   | 20        |
| 2-Chlorotoluene             | 50.0        | 48.3        |                | ug/L |   | 97   | 80 - 120    | 1   | 20        |
| 2-Hexanone                  | 200         | 191         |                | ug/L |   | 96   | 62 - 137    | 7   | 21        |
| 4-Chlorotoluene             | 50.0        | 47.7        |                | ug/L |   | 95   | 80 - 120    | 1   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 200         | 183         |                | ug/L |   | 91   | 66 - 135    | 9   | 20        |
| Acetone                     | 200         | 166         |                | ug/L |   | 83   | 61 - 134    | 8   | 21        |
| Benzene                     | 50.0        | 45.0        |                | ug/L |   | 90   | 80 - 120    | 3   | 20        |
| Bromobenzene                | 50.0        | 49.5        |                | ug/L |   | 99   | 80 - 120    | 0   | 20        |
| Bromochloromethane          | 50.0        | 45.9        |                | ug/L |   | 92   | 80 - 123    | 5   | 20        |
| Bromodichloromethane        | 50.0        | 40.8        |                | ug/L |   | 82   | 80 - 123    | 5   | 20        |
| Bromoform                   | 50.0        | 43.9        |                | ug/L |   | 88   | 79 - 138    | 4   | 20        |
| Bromomethane                | 50.0        | 45.9        |                | ug/L |   | 92   | 29 - 148    | 5   | 40        |
| Carbon disulfide            | 50.0        | 45.9        |                | ug/L |   | 92   | 70 - 121    | 1   | 20        |
| Carbon tetrachloride        | 50.0        | 43.8        |                | ug/L |   | 88   | 79 - 127    | 3   | 20        |
| Chlorobenzene               | 50.0        | 47.1        |                | ug/L |   | 94   | 80 - 120    | 3   | 20        |
| Chloroethane                | 50.0        | 44.1        |                | ug/L |   | 88   | 56 - 141    | 7   | 30        |
| Chloroform                  | 50.0        | 44.5        |                | ug/L |   | 89   | 80 - 120    | 3   | 20        |
| Chloromethane               | 50.0        | 39.6        |                | ug/L |   | 79   | 56 - 133    | 1   | 20        |
| cis-1,2-Dichloroethene      | 50.0        | 44.6        |                | ug/L |   | 89   | 80 - 120    | 3   | 20        |
| cis-1,3-Dichloropropene     | 50.0        | 51.7        |                | ug/L |   | 103  | 76 - 129    | 3   | 20        |
| Dibromochloromethane        | 50.0        | 44.1        |                | ug/L |   | 88   | 80 - 125    | 4   | 20        |
| Dibromomethane              | 50.0        | 44.3        |                | ug/L |   | 89   | 80 - 120    | 7   | 20        |
| Dichlorodifluoromethane     | 50.0        | 29.9        |                | ug/L |   | 60   | 47 - 135    | 4   | 21        |
| Ethylbenzene                | 50.0        | 47.0        |                | ug/L |   | 94   | 80 - 120    | 3   | 20        |
| Hexachlorobutadiene         | 50.0        | 44.8        |                | ug/L |   | 90   | 73 - 128    | 0   | 20        |
| Isopropylbenzene            | 50.0        | 49.1        |                | ug/L |   | 98   | 78 - 122    | 1   | 20        |
| Methyl tert-butyl ether     | 50.0        | 44.8        |                | ug/L |   | 90   | 80 - 120    | 7   | 20        |
| Methylene Chloride          | 50.0        | 43.5        |                | ug/L |   | 87   | 78 - 120    | 5   | 20        |
| m-Xylene & p-Xylene         | 50.0        | 47.7        |                | ug/L |   | 95   | 80 - 120    | 3   | 20        |
| Naphthalene                 | 50.0        | 46.5        |                | ug/L |   | 93   | 60 - 124    | 3   | 21        |
| n-Butylbenzene              | 50.0        | 43.8        |                | ug/L |   | 88   | 59 - 140    | 1   | 20        |
| n-Hexane                    | 50.0        | 42.6        |                | ug/L |   | 85   | 55 - 143    | 2   | 23        |
| N-Propylbenzene             | 50.0        | 47.6        |                | ug/L |   | 95   | 80 - 123    | 0   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-673881/5

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| o-Xylene                  | 50.0        | 46.0        |                | ug/L |   | 92   | 80 - 120    | 5   | 20        |
| p-Isopropyltoluene        | 50.0        | 45.0        |                | ug/L |   | 90   | 80 - 122    | 2   | 20        |
| sec-Butylbenzene          | 50.0        | 45.3        |                | ug/L |   | 91   | 80 - 123    | 1   | 20        |
| Styrene                   | 50.0        | 47.3        |                | ug/L |   | 95   | 80 - 120    | 4   | 20        |
| tert-Butylbenzene         | 50.0        | 46.8        |                | ug/L |   | 94   | 80 - 120    | 1   | 20        |
| Tetrachloroethene         | 50.0        | 49.4        |                | ug/L |   | 99   | 80 - 121    | 2   | 20        |
| Tetrahydrofuran           | 100         | 84.6        |                | ug/L |   | 85   | 62 - 130    | 9   | 20        |
| Toluene                   | 50.0        | 45.1        |                | ug/L |   | 90   | 80 - 120    | 4   | 20        |
| trans-1,2-Dichloroethene  | 50.0        | 45.0        |                | ug/L |   | 90   | 79 - 121    | 3   | 20        |
| trans-1,3-Dichloropropene | 50.0        | 40.1        |                | ug/L |   | 80   | 80 - 123    | 7   | 20        |
| Trichloroethene           | 50.0        | 50.8        |                | ug/L |   | 102  | 80 - 120    | 2   | 20        |
| Trichlorofluoromethane    | 50.0        | 45.1        |                | ug/L |   | 90   | 54 - 144    | 8   | 28        |
| Vinyl chloride            | 50.0        | 42.5        |                | ug/L |   | 85   | 67 - 127    | 5   | 25        |
| Xylenes, Total            | 100         | 93.7        |                | ug/L |   | 94   | 80 - 120    | 4   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95             |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 98             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 105            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 100            |                | 77 - 120 |

Lab Sample ID: LCSD 280-673881/7

Matrix: Water

Analysis Batch: 673881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Diisopropyl ether | 25.0        | 23.5        |                | ug/L |   | 94   | 63 - 128    | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105            |                | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 95             |                | 78 - 120 |
| Toluene-d8 (Surr)            | 105            |                | 80 - 125 |
| Dibromofluoromethane (Surr)  | 95             |                | 77 - 120 |

Lab Sample ID: 500-259162-23 MS

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-03D3-202410

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane             | <0.16         |                  | 25.0        | 25.1      |              | ug/L |   | 100  | 80 - 124    |
| 1,1,1-Trichloroethane                 | <0.39         |                  | 25.0        | 23.6      |              | ug/L |   | 94   | 80 - 123    |
| 1,1,2,2-Tetrachloroethane             | <0.21         |                  | 25.0        | 26.7      |              | ug/L |   | 107  | 74 - 123    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73         |                  | 25.0        | 22.7      |              | ug/L |   | 91   | 73 - 132    |
| 1,1,2-Trichloroethane                 | <0.27         |                  | 25.0        | 25.0      |              | ug/L |   | 100  | 80 - 120    |
| 1,1-Dichloroethane                    | <0.22         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 78 - 121    |
| 1,1-Dichloroethene                    | <0.23         |                  | 25.0        | 23.7      |              | ug/L |   | 95   | 77 - 121    |
| 1,1-Dichloropropene                   | <0.19         |                  | 25.0        | 23.4      |              | ug/L |   | 94   | 77 - 123    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-23 MS

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-03D3-202410

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,2,3-Trichlorobenzene      | <1.2          |                  | 25.0        | 24.5      |              | ug/L |   | 98   | 65 - 129    |
| 1,2,3-Trichloropropane      | <0.28         |                  | 25.0        | 28.3      |              | ug/L |   | 113  | 80 - 120    |
| 1,2,4-Trichlorobenzene      | <0.58         |                  | 25.0        | 23.6      |              | ug/L |   | 94   | 74 - 126    |
| 1,2,4-Trimethylbenzene      | <0.15         |                  | 25.0        | 22.2      |              | ug/L |   | 89   | 79 - 124    |
| 1,2-Dibromo-3-Chloropropane | <0.42         |                  | 25.0        | 23.5      |              | ug/L |   | 94   | 73 - 128    |
| 1,2-Dibromoethane           | <0.18         |                  | 25.0        | 26.6      |              | ug/L |   | 107  | 80 - 120    |
| 1,2-Dichlorobenzene         | <0.14         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 80 - 120    |
| 1,2-Dichloroethane          | <0.28         |                  | 25.0        | 24.0      |              | ug/L |   | 96   | 71 - 121    |
| 1,2-Dichloropropane         | <0.24         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 78 - 120    |
| 1,3,5-Trimethylbenzene      | <0.12         |                  | 25.0        | 23.6      |              | ug/L |   | 94   | 80 - 122    |
| 1,3-Dichlorobenzene         | <0.33         |                  | 25.0        | 24.0      |              | ug/L |   | 96   | 80 - 120    |
| 1,3-Dichloropropane         | <0.17         |                  | 25.0        | 26.4      |              | ug/L |   | 105  | 77 - 122    |
| 1,4-Dichlorobenzene         | <0.39         |                  | 25.0        | 25.1      |              | ug/L |   | 100  | 80 - 120    |
| 2,2-Dichloropropane         | <0.17         |                  | 25.0        | 21.6      |              | ug/L |   | 87   | 75 - 131    |
| 2-Butanone (MEK)            | <4.6          |                  | 100         | 105       |              | ug/L |   | 105  | 58 - 135    |
| 2-Chlorotoluene             | <0.34         |                  | 25.0        | 24.7      |              | ug/L |   | 99   | 80 - 120    |
| 2-Hexanone                  | <0.81         |                  | 100         | 108       |              | ug/L |   | 108  | 62 - 137    |
| 4-Chlorotoluene             | <0.21         |                  | 25.0        | 24.7      |              | ug/L |   | 99   | 80 - 120    |
| 4-Methyl-2-pentanone (MIBK) | <0.98         |                  | 100         | 103       |              | ug/L |   | 103  | 66 - 135    |
| Acetone                     | <6.6          |                  | 100         | 91.8      |              | ug/L |   | 92   | 61 - 134    |
| Benzene                     | <0.14         |                  | 25.0        | 24.4      |              | ug/L |   | 97   | 80 - 120    |
| Bromobenzene                | <0.19         |                  | 25.0        | 25.7      |              | ug/L |   | 103  | 80 - 120    |
| Bromochloromethane          | <0.40         |                  | 25.0        | 25.3      |              | ug/L |   | 101  | 80 - 123    |
| Bromodichloromethane        | <0.19         |                  | 25.0        | 20.5      |              | ug/L |   | 82   | 80 - 123    |
| Bromoform                   | <0.25         |                  | 25.0        | 20.9      |              | ug/L |   | 84   | 79 - 138    |
| Bromomethane                | <2.4          |                  | 25.0        | 18.5      |              | ug/L |   | 74   | 29 - 148    |
| Carbon disulfide            | <0.26         |                  | 25.0        | 20.8      |              | ug/L |   | 83   | 70 - 121    |
| Carbon tetrachloride        | <0.23         |                  | 25.0        | 21.8      |              | ug/L |   | 87   | 79 - 127    |
| Chlorobenzene               | <0.092        |                  | 25.0        | 25.6      |              | ug/L |   | 102  | 80 - 120    |
| Chloroethane                | <0.64         |                  | 25.0        | 19.9      |              | ug/L |   | 80   | 56 - 141    |
| Chloroform                  | <0.36         |                  | 25.0        | 24.4      |              | ug/L |   | 98   | 80 - 120    |
| Chloromethane               | <0.23         | ^c               | 25.0        | 19.9      |              | ug/L |   | 80   | 56 - 133    |
| cis-1,2-Dichloroethene      | <0.32         |                  | 25.0        | 24.7      |              | ug/L |   | 99   | 80 - 120    |
| cis-1,3-Dichloropropene     | <0.16         |                  | 25.0        | 25.9      |              | ug/L |   | 104  | 76 - 129    |
| Dibromochloromethane        | <0.28         |                  | 25.0        | 21.8      |              | ug/L |   | 87   | 80 - 125    |
| Dibromomethane              | <0.34         |                  | 25.0        | 24.4      |              | ug/L |   | 97   | 80 - 120    |
| Dichlorodifluoromethane     | <0.30         | ^c               | 25.0        | 14.1      |              | ug/L |   | 57   | 47 - 135    |
| Ethylbenzene                | <0.14         |                  | 25.0        | 24.5      |              | ug/L |   | 98   | 80 - 120    |
| Hexachlorobutadiene         | <0.53         |                  | 25.0        | 22.1      |              | ug/L |   | 88   | 73 - 128    |
| Isopropylbenzene            | <0.16         |                  | 25.0        | 24.8      |              | ug/L |   | 99   | 78 - 122    |
| Methyl tert-butyl ether     | <0.25         |                  | 25.0        | 25.3      |              | ug/L |   | 101  | 80 - 120    |
| Methylene Chloride          | <0.94         |                  | 25.0        | 24.0      |              | ug/L |   | 96   | 78 - 120    |
| m-Xylene & p-Xylene         | <0.36         |                  | 25.0        | 25.3      |              | ug/L |   | 101  | 80 - 120    |
| Naphthalene                 | <0.99         |                  | 25.0        | 21.4      |              | ug/L |   | 86   | 60 - 124    |
| n-Butylbenzene              | <0.23         |                  | 25.0        | 18.9      |              | ug/L |   | 76   | 59 - 140    |
| n-Hexane                    | <0.16         |                  | 25.0        | 19.9      |              | ug/L |   | 80   | 55 - 143    |
| N-Propylbenzene             | <0.18         |                  | 25.0        | 23.9      |              | ug/L |   | 96   | 80 - 123    |
| o-Xylene                    | <0.11         |                  | 25.0        | 24.2      |              | ug/L |   | 97   | 80 - 120    |
| p-Isopropyltoluene          | <0.19         |                  | 25.0        | 21.5      |              | ug/L |   | 86   | 80 - 122    |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-23 MS

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-03D3-202410

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| sec-Butylbenzene          | <0.20         |                  | 25.0        | 22.8      |              | ug/L |   | 91   | 80 - 123    |
| Styrene                   | <0.13         |                  | 25.0        | 24.6      |              | ug/L |   | 98   | 80 - 120    |
| tert-Butylbenzene         | <0.18         |                  | 25.0        | 24.0      |              | ug/L |   | 96   | 80 - 120    |
| Tetrachloroethene         | <0.40         |                  | 25.0        | 26.8      |              | ug/L |   | 107  | 80 - 121    |
| Tetrahydrofuran           | <0.84         |                  | 50.0        | 49.8      |              | ug/L |   | 100  | 62 - 130    |
| Toluene                   | <0.32         |                  | 25.0        | 25.8      |              | ug/L |   | 103  | 80 - 120    |
| trans-1,2-Dichloroethene  | <0.37         |                  | 25.0        | 23.8      |              | ug/L |   | 95   | 79 - 121    |
| trans-1,3-Dichloropropene | <0.14         |                  | 25.0        | 20.0      |              | ug/L |   | 80   | 80 - 123    |
| Trichloroethene           | <0.30         |                  | 25.0        | 25.9      |              | ug/L |   | 104  | 80 - 120    |
| Trichlorofluoromethane    | <0.20         |                  | 25.0        | 19.7      |              | ug/L |   | 79   | 54 - 144    |
| Vinyl chloride            | <0.23         |                  | 25.0        | 21.0      |              | ug/L |   | 84   | 67 - 127    |
| Xylenes, Total            | <0.11         |                  | 50.0        | 49.5      |              | ug/L |   | 99   | 80 - 120    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98           |              | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 78 - 120 |
| Toluene-d8 (Surr)            | 103          |              | 80 - 125 |
| Dibromofluoromethane (Surr)  | 98           |              | 77 - 120 |

Lab Sample ID: 500-259162-23 MSD

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-03D3-202410

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | <0.16         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 124    | 2   | 20        |
| 1,1,1-Trichloroethane                 | <0.39         |                  | 25.0        | 24.3       |               | ug/L |   | 97   | 80 - 123    | 3   | 20        |
| 1,1,2,2-Tetrachloroethane             | <0.21         |                  | 25.0        | 27.8       |               | ug/L |   | 111  | 74 - 123    | 4   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73         |                  | 25.0        | 23.0       |               | ug/L |   | 92   | 73 - 132    | 1   | 23        |
| 1,1,2-Trichloroethane                 | <0.27         |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120    | 0   | 20        |
| 1,1-Dichloroethane                    | <0.22         |                  | 25.0        | 25.6       |               | ug/L |   | 103  | 78 - 121    | 3   | 20        |
| 1,1-Dichloroethene                    | <0.23         |                  | 25.0        | 24.1       |               | ug/L |   | 96   | 77 - 121    | 2   | 21        |
| 1,1-Dichloropropene                   | <0.19         |                  | 25.0        | 24.0       |               | ug/L |   | 96   | 77 - 123    | 3   | 20        |
| 1,2,3-Trichlorobenzene                | <1.2          |                  | 25.0        | 25.3       |               | ug/L |   | 101  | 65 - 129    | 3   | 20        |
| 1,2,3-Trichloropropane                | <0.28         |                  | 25.0        | 28.8       |               | ug/L |   | 115  | 80 - 120    | 2   | 20        |
| 1,2,4-Trichlorobenzene                | <0.58         |                  | 25.0        | 24.5       |               | ug/L |   | 98   | 74 - 126    | 4   | 20        |
| 1,2,4-Trimethylbenzene                | <0.15         |                  | 25.0        | 23.1       |               | ug/L |   | 92   | 79 - 124    | 4   | 20        |
| 1,2-Dibromo-3-Chloropropane           | <0.42         |                  | 25.0        | 24.4       |               | ug/L |   | 98   | 73 - 128    | 4   | 21        |
| 1,2-Dibromoethane                     | <0.18         |                  | 25.0        | 27.1       |               | ug/L |   | 109  | 80 - 120    | 2   | 20        |
| 1,2-Dichlorobenzene                   | <0.14         |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 80 - 120    | 4   | 20        |
| 1,2-Dichloroethane                    | <0.28         |                  | 25.0        | 24.3       |               | ug/L |   | 97   | 71 - 121    | 1   | 20        |
| 1,2-Dichloropropane                   | <0.24         |                  | 25.0        | 24.9       |               | ug/L |   | 99   | 78 - 120    | 0   | 20        |
| 1,3,5-Trimethylbenzene                | <0.12         |                  | 25.0        | 24.6       |               | ug/L |   | 98   | 80 - 122    | 4   | 20        |
| 1,3-Dichlorobenzene                   | <0.33         |                  | 25.0        | 25.1       |               | ug/L |   | 100  | 80 - 120    | 5   | 20        |
| 1,3-Dichloropropane                   | <0.17         |                  | 25.0        | 27.0       |               | ug/L |   | 108  | 77 - 122    | 2   | 20        |
| 1,4-Dichlorobenzene                   | <0.39         |                  | 25.0        | 26.4       |               | ug/L |   | 105  | 80 - 120    | 5   | 20        |
| 2,2-Dichloropropane                   | <0.17         |                  | 25.0        | 22.1       |               | ug/L |   | 88   | 75 - 131    | 2   | 22        |
| 2-Butanone (MEK)                      | <4.6          |                  | 100         | 104        |               | ug/L |   | 104  | 58 - 135    | 1   | 20        |
| 2-Chlorotoluene                       | <0.34         |                  | 25.0        | 25.7       |               | ug/L |   | 103  | 80 - 120    | 4   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-23 MSD

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-03D3-202410

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 2-Hexanone                  | <0.81         |                  | 100         | 110        |               | ug/L |   | 110  | 62 - 137    | 1   | 21        |
| 4-Chlorotoluene             | <0.21         |                  | 25.0        | 25.5       |               | ug/L |   | 102  | 80 - 120    | 3   | 20        |
| 4-Methyl-2-pentanone (MIBK) | <0.98         |                  | 100         | 104        |               | ug/L |   | 104  | 66 - 135    | 1   | 20        |
| Acetone                     | <6.6          |                  | 100         | 91.4       |               | ug/L |   | 91   | 61 - 134    | 1   | 21        |
| Benzene                     | <0.14         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120    | 3   | 20        |
| Bromobenzene                | <0.19         |                  | 25.0        | 26.2       |               | ug/L |   | 105  | 80 - 120    | 2   | 20        |
| Bromochloromethane          | <0.40         |                  | 25.0        | 26.7       |               | ug/L |   | 107  | 80 - 123    | 5   | 20        |
| Bromodichloromethane        | <0.19         |                  | 25.0        | 21.3       |               | ug/L |   | 85   | 80 - 123    | 4   | 20        |
| Bromoform                   | <0.25         |                  | 25.0        | 21.6       |               | ug/L |   | 86   | 79 - 138    | 3   | 20        |
| Bromomethane                | <2.4          |                  | 25.0        | 21.1       |               | ug/L |   | 85   | 29 - 148    | 14  | 40        |
| Carbon disulfide            | <0.26         |                  | 25.0        | 22.4       |               | ug/L |   | 90   | 70 - 121    | 8   | 20        |
| Carbon tetrachloride        | <0.23         |                  | 25.0        | 23.6       |               | ug/L |   | 94   | 79 - 127    | 8   | 20        |
| Chlorobenzene               | <0.092        |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 80 - 120    | 4   | 20        |
| Chloroethane                | <0.64         |                  | 25.0        | 20.8       |               | ug/L |   | 83   | 56 - 141    | 4   | 30        |
| Chloroform                  | <0.36         |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120    | 3   | 20        |
| Chloromethane               | <0.23         | ^c               | 25.0        | 21.1       |               | ug/L |   | 84   | 56 - 133    | 6   | 20        |
| cis-1,2-Dichloroethene      | <0.32         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120    | 2   | 20        |
| cis-1,3-Dichloropropene     | <0.16         |                  | 25.0        | 26.6       |               | ug/L |   | 107  | 76 - 129    | 3   | 20        |
| Dibromochloromethane        | <0.28         |                  | 25.0        | 22.0       |               | ug/L |   | 88   | 80 - 125    | 1   | 20        |
| Dibromomethane              | <0.34         |                  | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 120    | 2   | 20        |
| Dichlorodifluoromethane     | <0.30         | ^c               | 25.0        | 14.9       |               | ug/L |   | 60   | 47 - 135    | 5   | 21        |
| Ethylbenzene                | <0.14         |                  | 25.0        | 25.7       |               | ug/L |   | 103  | 80 - 120    | 5   | 20        |
| Hexachlorobutadiene         | <0.53         |                  | 25.0        | 23.9       |               | ug/L |   | 96   | 73 - 128    | 8   | 20        |
| Isopropylbenzene            | <0.16         |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 78 - 122    | 4   | 20        |
| Methyl tert-butyl ether     | <0.25         |                  | 25.0        | 25.4       |               | ug/L |   | 102  | 80 - 120    | 0   | 20        |
| Methylene Chloride          | <0.94         |                  | 25.0        | 24.2       |               | ug/L |   | 97   | 78 - 120    | 1   | 20        |
| m-Xylene & p-Xylene         | <0.36         |                  | 25.0        | 26.1       |               | ug/L |   | 105  | 80 - 120    | 3   | 20        |
| Naphthalene                 | <0.99         |                  | 25.0        | 22.0       |               | ug/L |   | 88   | 60 - 124    | 3   | 21        |
| n-Butylbenzene              | <0.23         |                  | 25.0        | 19.8       |               | ug/L |   | 79   | 59 - 140    | 5   | 20        |
| n-Hexane                    | <0.16         |                  | 25.0        | 20.4       |               | ug/L |   | 82   | 55 - 143    | 3   | 23        |
| N-Propylbenzene             | <0.18         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 123    | 7   | 20        |
| o-Xylene                    | <0.11         |                  | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 120    | 2   | 20        |
| p-Isopropyltoluene          | <0.19         |                  | 25.0        | 22.4       |               | ug/L |   | 90   | 80 - 122    | 4   | 20        |
| sec-Butylbenzene            | <0.20         |                  | 25.0        | 24.0       |               | ug/L |   | 96   | 80 - 123    | 5   | 20        |
| Styrene                     | <0.13         |                  | 25.0        | 25.3       |               | ug/L |   | 101  | 80 - 120    | 3   | 20        |
| tert-Butylbenzene           | <0.18         |                  | 25.0        | 25.1       |               | ug/L |   | 100  | 80 - 120    | 5   | 20        |
| Tetrachloroethene           | <0.40         |                  | 25.0        | 27.8       |               | ug/L |   | 111  | 80 - 121    | 3   | 20        |
| Tetrahydrofuran             | <0.84         |                  | 50.0        | 49.7       |               | ug/L |   | 99   | 62 - 130    | 0   | 20        |
| Toluene                     | <0.32         |                  | 25.0        | 26.5       |               | ug/L |   | 106  | 80 - 120    | 3   | 20        |
| trans-1,2-Dichloroethene    | <0.37         |                  | 25.0        | 24.8       |               | ug/L |   | 99   | 79 - 121    | 4   | 20        |
| trans-1,3-Dichloropropene   | <0.14         |                  | 25.0        | 20.1       |               | ug/L |   | 80   | 80 - 123    | 1   | 20        |
| Trichloroethene             | <0.30         |                  | 25.0        | 27.0       |               | ug/L |   | 108  | 80 - 120    | 4   | 20        |
| Trichlorofluoromethane      | <0.20         |                  | 25.0        | 20.4       |               | ug/L |   | 81   | 54 - 144    | 3   | 28        |
| Vinyl chloride              | <0.23         |                  | 25.0        | 21.8       |               | ug/L |   | 87   | 67 - 127    | 4   | 25        |
| Xylenes, Total              | <0.11         |                  | 50.0        | 50.9       |               | ug/L |   | 102  | 80 - 120    | 3   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 70 - 127 |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-23 MSD

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-03D3-202410

Prep Type: Total/NA

| Surrogate                   | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 97               |                  | 78 - 120 |
| Toluene-d8 (Surr)           | 106              |                  | 80 - 125 |
| Dibromofluoromethane (Surr) | 98               |                  | 77 - 120 |

Lab Sample ID: 500-259162-28 MS

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-05D3-202410

Prep Type: Total/NA

| Analyte                               | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------------------------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|
| 1,1,1,2-Tetrachloroethane             | <0.16            |                     | 25.0           | 26.8         |                 | ug/L |   | 107  | 80 - 124       |
| 1,1,1-Trichloroethane                 | <0.39            |                     | 25.0           | 24.4         |                 | ug/L |   | 98   | 80 - 123       |
| 1,1,2,2-Tetrachloroethane             | <0.21            |                     | 25.0           | 28.4         |                 | ug/L |   | 114  | 74 - 123       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73            |                     | 25.0           | 23.1         |                 | ug/L |   | 92   | 73 - 132       |
| 1,1,2-Trichloroethane                 | <0.27            |                     | 25.0           | 24.1         |                 | ug/L |   | 97   | 80 - 120       |
| 1,1-Dichloroethane                    | <0.22            |                     | 25.0           | 25.5         |                 | ug/L |   | 102  | 78 - 121       |
| 1,1-Dichloroethene                    | <0.23            |                     | 25.0           | 24.1         |                 | ug/L |   | 96   | 77 - 121       |
| 1,1-Dichloropropene                   | <0.19            |                     | 25.0           | 24.1         |                 | ug/L |   | 97   | 77 - 123       |
| 1,2,3-Trichlorobenzene                | <1.2             |                     | 25.0           | 24.1         |                 | ug/L |   | 97   | 65 - 129       |
| 1,2,3-Trichloropropane                | <0.28            |                     | 25.0           | 29.9         |                 | ug/L |   | 120  | 80 - 120       |
| 1,2,4-Trichlorobenzene                | <0.58            |                     | 25.0           | 23.1         |                 | ug/L |   | 93   | 74 - 126       |
| 1,2,4-Trimethylbenzene                | <0.15            |                     | 25.0           | 23.4         |                 | ug/L |   | 93   | 79 - 124       |
| 1,2-Dibromo-3-Chloropropane           | <0.42            |                     | 25.0           | 26.2         |                 | ug/L |   | 105  | 73 - 128       |
| 1,2-Dibromoethane                     | <0.18            |                     | 25.0           | 27.4         |                 | ug/L |   | 110  | 80 - 120       |
| 1,2-Dichlorobenzene                   | <0.14            |                     | 25.0           | 26.7         |                 | ug/L |   | 107  | 80 - 120       |
| 1,2-Dichloroethane                    | <0.28            |                     | 25.0           | 23.9         |                 | ug/L |   | 95   | 71 - 121       |
| 1,2-Dichloropropane                   | <0.24            |                     | 25.0           | 24.7         |                 | ug/L |   | 99   | 78 - 120       |
| 1,3,5-Trimethylbenzene                | <0.12            |                     | 25.0           | 24.7         |                 | ug/L |   | 99   | 80 - 122       |
| 1,3-Dichlorobenzene                   | <0.33            |                     | 25.0           | 25.6         |                 | ug/L |   | 103  | 80 - 120       |
| 1,3-Dichloropropane                   | <0.17            |                     | 25.0           | 27.3         |                 | ug/L |   | 109  | 77 - 122       |
| 1,4-Dichlorobenzene                   | <0.39            |                     | 25.0           | 26.4         |                 | ug/L |   | 105  | 80 - 120       |
| 2,2-Dichloropropane                   | <0.17            |                     | 25.0           | 21.9         |                 | ug/L |   | 88   | 75 - 131       |
| 2-Butanone (MEK)                      | <4.6             |                     | 100            | 87.9         |                 | ug/L |   | 88   | 58 - 135       |
| 2-Chlorotoluene                       | <0.34            |                     | 25.0           | 26.9         |                 | ug/L |   | 107  | 80 - 120       |
| 2-Hexanone                            | <0.81            |                     | 100            | 111          |                 | ug/L |   | 111  | 62 - 137       |
| 4-Chlorotoluene                       | <0.21            |                     | 25.0           | 26.0         |                 | ug/L |   | 104  | 80 - 120       |
| 4-Methyl-2-pentanone (MIBK)           | <0.98            |                     | 100            | 98.2         |                 | ug/L |   | 98   | 66 - 135       |
| Acetone                               | <6.6             |                     | 100            | 73.5         |                 | ug/L |   | 73   | 61 - 134       |
| Benzene                               | <0.14            |                     | 25.0           | 25.0         |                 | ug/L |   | 100  | 80 - 120       |
| Bromobenzene                          | <0.19            |                     | 25.0           | 27.9         |                 | ug/L |   | 112  | 80 - 120       |
| Bromochloromethane                    | <0.40            |                     | 25.0           | 24.9         |                 | ug/L |   | 99   | 80 - 123       |
| Bromodichloromethane                  | <0.19            |                     | 25.0           | 21.7         |                 | ug/L |   | 87   | 80 - 123       |
| Bromoform                             | <0.25            |                     | 25.0           | 22.8         |                 | ug/L |   | 91   | 79 - 138       |
| Bromomethane                          | <2.4             |                     | 25.0           | 22.3         |                 | ug/L |   | 89   | 29 - 148       |
| Carbon disulfide                      | <0.26            |                     | 25.0           | 22.9         |                 | ug/L |   | 92   | 70 - 121       |
| Carbon tetrachloride                  | <0.23            |                     | 25.0           | 24.3         |                 | ug/L |   | 97   | 79 - 127       |
| Chlorobenzene                         | <0.092           |                     | 25.0           | 26.7         |                 | ug/L |   | 107  | 80 - 120       |
| Chloroethane                          | <0.64            |                     | 25.0           | 21.2         |                 | ug/L |   | 85   | 56 - 141       |
| Chloroform                            | <0.36            |                     | 25.0           | 24.8         |                 | ug/L |   | 99   | 80 - 120       |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-28 MS

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-05D3-202410

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloromethane             | <0.23         | ^c               | 25.0        | 19.2      |              | ug/L |   | 77   | 56 - 133    |
| cis-1,2-Dichloroethene    | <0.32         |                  | 25.0        | 25.0      |              | ug/L |   | 100  | 80 - 120    |
| cis-1,3-Dichloropropene   | <0.16         |                  | 25.0        | 27.9      |              | ug/L |   | 112  | 76 - 129    |
| Dibromochloromethane      | <0.28         |                  | 25.0        | 23.7      |              | ug/L |   | 95   | 80 - 125    |
| Dibromomethane            | <0.34         |                  | 25.0        | 24.5      |              | ug/L |   | 98   | 80 - 120    |
| Dichlorodifluoromethane   | <0.30         | ^c               | 25.0        | 13.6      |              | ug/L |   | 54   | 47 - 135    |
| Ethylbenzene              | <0.14         |                  | 25.0        | 26.6      |              | ug/L |   | 106  | 80 - 120    |
| Hexachlorobutadiene       | <0.53         |                  | 25.0        | 22.6      |              | ug/L |   | 90   | 73 - 128    |
| Isopropylbenzene          | <0.16         |                  | 25.0        | 27.3      |              | ug/L |   | 109  | 78 - 122    |
| Methyl tert-butyl ether   | <0.25         |                  | 25.0        | 25.3      |              | ug/L |   | 101  | 80 - 120    |
| Methylene Chloride        | <0.94         |                  | 25.0        | 22.8      |              | ug/L |   | 91   | 78 - 120    |
| m-Xylene & p-Xylene       | <0.36         |                  | 25.0        | 26.1      |              | ug/L |   | 104  | 80 - 120    |
| Naphthalene               | <0.99         |                  | 25.0        | 21.8      |              | ug/L |   | 87   | 60 - 124    |
| n-Butylbenzene            | <0.23         | F2               | 25.0        | 18.0      |              | ug/L |   | 72   | 59 - 140    |
| n-Hexane                  | <0.16         |                  | 25.0        | 21.2      |              | ug/L |   | 85   | 55 - 143    |
| N-Propylbenzene           | <0.18         |                  | 25.0        | 25.4      |              | ug/L |   | 102  | 80 - 123    |
| o-Xylene                  | <0.11         |                  | 25.0        | 25.6      |              | ug/L |   | 102  | 80 - 120    |
| p-Isopropyltoluene        | <0.19         |                  | 25.0        | 20.4      |              | ug/L |   | 82   | 80 - 122    |
| sec-Butylbenzene          | <0.20         |                  | 25.0        | 22.1      |              | ug/L |   | 88   | 80 - 123    |
| Styrene                   | <0.13         |                  | 25.0        | 25.4      |              | ug/L |   | 102  | 80 - 120    |
| tert-Butylbenzene         | <0.18         |                  | 25.0        | 23.8      |              | ug/L |   | 95   | 80 - 120    |
| Tetrachloroethene         | <0.40         |                  | 25.0        | 28.2      |              | ug/L |   | 113  | 80 - 121    |
| Tetrahydrofuran           | <0.84         |                  | 50.0        | 44.9      |              | ug/L |   | 90   | 62 - 130    |
| Toluene                   | <0.32         |                  | 25.0        | 24.6      |              | ug/L |   | 98   | 80 - 120    |
| trans-1,2-Dichloroethene  | <0.37         |                  | 25.0        | 25.3      |              | ug/L |   | 101  | 79 - 121    |
| trans-1,3-Dichloropropene | <0.14         |                  | 25.0        | 20.5      |              | ug/L |   | 82   | 80 - 123    |
| Trichloroethene           | <0.30         |                  | 25.0        | 28.0      |              | ug/L |   | 112  | 80 - 120    |
| Trichlorofluoromethane    | <0.20         |                  | 25.0        | 20.1      |              | ug/L |   | 80   | 54 - 144    |
| Vinyl chloride            | <0.23         |                  | 25.0        | 20.1      |              | ug/L |   | 80   | 67 - 127    |
| Xylenes, Total            | <0.11         |                  | 50.0        | 51.7      |              | ug/L |   | 103  | 80 - 120    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97           |              | 70 - 127 |
| 4-Bromofluorobenzene (Surr)  | 100          |              | 78 - 120 |
| Toluene-d8 (Surr)            | 107          |              | 80 - 125 |
| Dibromofluoromethane (Surr)  | 99           |              | 77 - 120 |

Lab Sample ID: 500-259162-28 MSD

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-05D3-202410

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | <0.16         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 124    | 5   | 20        |
| 1,1,1-Trichloroethane                 | <0.39         |                  | 25.0        | 25.3       |               | ug/L |   | 101  | 80 - 123    | 4   | 20        |
| 1,1,2,2-Tetrachloroethane             | <0.21         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 74 - 123    | 12  | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | <0.73         |                  | 25.0        | 23.8       |               | ug/L |   | 95   | 73 - 132    | 3   | 23        |
| 1,1,2-Trichloroethane                 | <0.27         |                  | 25.0        | 24.4       |               | ug/L |   | 98   | 80 - 120    | 1   | 20        |
| 1,1-Dichloroethane                    | <0.22         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 78 - 121    | 0   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-28 MSD

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-05D3-202410

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1-Dichloroethene          | <0.23         |                  | 25.0        | 23.5       |               | ug/L |   | 94   | 77 - 121    | 2   | 21        |
| 1,1-Dichloropropene         | <0.19         |                  | 25.0        | 24.6       |               | ug/L |   | 98   | 77 - 123    | 2   | 20        |
| 1,2,3-Trichlorobenzene      | <1.2          |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 65 - 129    | 3   | 20        |
| 1,2,3-Trichloropropane      | <0.28         |                  | 25.0        | 26.1       |               | ug/L |   | 105  | 80 - 120    | 13  | 20        |
| 1,2,4-Trichlorobenzene      | <0.58         |                  | 25.0        | 24.0       |               | ug/L |   | 96   | 74 - 126    | 4   | 20        |
| 1,2,4-Trimethylbenzene      | <0.15         |                  | 25.0        | 24.3       |               | ug/L |   | 97   | 79 - 124    | 4   | 20        |
| 1,2-Dibromo-3-Chloropropane | <0.42         |                  | 25.0        | 22.8       |               | ug/L |   | 91   | 73 - 128    | 14  | 21        |
| 1,2-Dibromoethane           | <0.18         |                  | 25.0        | 25.9       |               | ug/L |   | 104  | 80 - 120    | 6   | 20        |
| 1,2-Dichlorobenzene         | <0.14         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120    | 6   | 20        |
| 1,2-Dichloroethane          | <0.28         |                  | 25.0        | 23.9       |               | ug/L |   | 96   | 71 - 121    | 0   | 20        |
| 1,2-Dichloropropane         | <0.24         |                  | 25.0        | 24.6       |               | ug/L |   | 98   | 78 - 120    | 0   | 20        |
| 1,3,5-Trimethylbenzene      | <0.12         |                  | 25.0        | 24.7       |               | ug/L |   | 99   | 80 - 122    | 0   | 20        |
| 1,3-Dichlorobenzene         | <0.33         |                  | 25.0        | 24.3       |               | ug/L |   | 97   | 80 - 120    | 5   | 20        |
| 1,3-Dichloropropane         | <0.17         |                  | 25.0        | 25.5       |               | ug/L |   | 102  | 77 - 122    | 7   | 20        |
| 1,4-Dichlorobenzene         | <0.39         |                  | 25.0        | 25.1       |               | ug/L |   | 101  | 80 - 120    | 5   | 20        |
| 2,2-Dichloropropane         | <0.17         |                  | 25.0        | 22.3       |               | ug/L |   | 89   | 75 - 131    | 2   | 22        |
| 2-Butanone (MEK)            | <4.6          |                  | 100         | 98.4       |               | ug/L |   | 98   | 58 - 135    | 11  | 20        |
| 2-Chlorotoluene             | <0.34         |                  | 25.0        | 25.9       |               | ug/L |   | 104  | 80 - 120    | 4   | 20        |
| 2-Hexanone                  | <0.81         |                  | 100         | 105        |               | ug/L |   | 105  | 62 - 137    | 5   | 21        |
| 4-Chlorotoluene             | <0.21         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120    | 3   | 20        |
| 4-Methyl-2-pentanone (MIBK) | <0.98         |                  | 100         | 101        |               | ug/L |   | 101  | 66 - 135    | 3   | 20        |
| Acetone                     | <6.6          |                  | 100         | 90.7       |               | ug/L |   | 91   | 61 - 134    | 21  | 21        |
| Benzene                     | <0.14         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120    | 1   | 20        |
| Bromobenzene                | <0.19         |                  | 25.0        | 25.3       |               | ug/L |   | 101  | 80 - 120    | 10  | 20        |
| Bromochloromethane          | <0.40         |                  | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 123    | 3   | 20        |
| Bromodichloromethane        | <0.19         |                  | 25.0        | 21.3       |               | ug/L |   | 85   | 80 - 123    | 2   | 20        |
| Bromoform                   | <0.25         |                  | 25.0        | 21.0       |               | ug/L |   | 84   | 79 - 138    | 8   | 20        |
| Bromomethane                | <2.4          |                  | 25.0        | 22.0       |               | ug/L |   | 88   | 29 - 148    | 1   | 40        |
| Carbon disulfide            | <0.26         |                  | 25.0        | 23.3       |               | ug/L |   | 93   | 70 - 121    | 2   | 20        |
| Carbon tetrachloride        | <0.23         |                  | 25.0        | 24.6       |               | ug/L |   | 98   | 79 - 127    | 1   | 20        |
| Chlorobenzene               | <0.092        |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 80 - 120    | 3   | 20        |
| Chloroethane                | <0.64         |                  | 25.0        | 21.6       |               | ug/L |   | 87   | 56 - 141    | 2   | 30        |
| Chloroform                  | <0.36         |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120    | 1   | 20        |
| Chloromethane               | <0.23         | ^c               | 25.0        | 20.9       |               | ug/L |   | 83   | 56 - 133    | 8   | 20        |
| cis-1,2-Dichloroethene      | <0.32         |                  | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 120    | 1   | 20        |
| cis-1,3-Dichloropropene     | <0.16         |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 76 - 129    | 8   | 20        |
| Dibromochloromethane        | <0.28         |                  | 25.0        | 22.0       |               | ug/L |   | 88   | 80 - 125    | 8   | 20        |
| Dibromomethane              | <0.34         |                  | 25.0        | 24.5       |               | ug/L |   | 98   | 80 - 120    | 0   | 20        |
| Dichlorodifluoromethane     | <0.30         | ^c               | 25.0        | 14.3       |               | ug/L |   | 57   | 47 - 135    | 6   | 21        |
| Ethylbenzene                | <0.14         |                  | 25.0        | 25.7       |               | ug/L |   | 103  | 80 - 120    | 3   | 20        |
| Hexachlorobutadiene         | <0.53         |                  | 25.0        | 22.9       |               | ug/L |   | 91   | 73 - 128    | 1   | 20        |
| Isopropylbenzene            | <0.16         |                  | 25.0        | 25.3       |               | ug/L |   | 101  | 78 - 122    | 8   | 20        |
| Methyl tert-butyl ether     | <0.25         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120    | 0   | 20        |
| Methylene Chloride          | <0.94         |                  | 25.0        | 24.1       |               | ug/L |   | 96   | 78 - 120    | 5   | 20        |
| m-Xylene & p-Xylene         | <0.36         |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 80 - 120    | 3   | 20        |
| Naphthalene                 | <0.99         |                  | 25.0        | 24.1       |               | ug/L |   | 96   | 60 - 124    | 10  | 21        |
| n-Butylbenzene              | <0.23         | F2               | 25.0        | 22.6       | F2            | ug/L |   | 90   | 59 - 140    | 23  | 20        |
| n-Hexane                    | <0.16         |                  | 25.0        | 19.9       |               | ug/L |   | 80   | 55 - 143    | 7   | 23        |
| N-Propylbenzene             | <0.18         |                  | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 123    | 1   | 20        |

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-259162-28 MSD

Matrix: Water

Analysis Batch: 673881

Client Sample ID: MW-05D3-202410

Prep Type: Total/NA

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| o-Xylene                     | <0.11         |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 80 - 120    | 1   | 20        |
| p-Isopropyltoluene           | <0.19         |                  | 25.0        | 23.7       |               | ug/L |   | 95   | 80 - 122    | 15  | 20        |
| sec-Butylbenzene             | <0.20         |                  | 25.0        | 24.2       |               | ug/L |   | 97   | 80 - 123    | 9   | 20        |
| Styrene                      | <0.13         |                  | 25.0        | 26.2       |               | ug/L |   | 105  | 80 - 120    | 3   | 20        |
| tert-Butylbenzene            | <0.18         |                  | 25.0        | 24.7       |               | ug/L |   | 99   | 80 - 120    | 4   | 20        |
| Tetrachloroethene            | <0.40         |                  | 25.0        | 27.3       |               | ug/L |   | 109  | 80 - 121    | 3   | 20        |
| Tetrahydrofuran              | <0.84         |                  | 50.0        | 48.5       |               | ug/L |   | 97   | 62 - 130    | 8   | 20        |
| Toluene                      | <0.32         |                  | 25.0        | 25.8       |               | ug/L |   | 103  | 80 - 120    | 5   | 20        |
| trans-1,2-Dichloroethene     | <0.37         |                  | 25.0        | 25.1       |               | ug/L |   | 100  | 79 - 121    | 1   | 20        |
| trans-1,3-Dichloropropene    | <0.14         |                  | 25.0        | 20.4       |               | ug/L |   | 82   | 80 - 123    | 0   | 20        |
| Trichloroethene              | <0.30         |                  | 25.0        | 26.7       |               | ug/L |   | 107  | 80 - 120    | 5   | 20        |
| Trichlorofluoromethane       | <0.20         |                  | 25.0        | 21.5       |               | ug/L |   | 86   | 54 - 144    | 7   | 28        |
| Vinyl chloride               | <0.23         |                  | 25.0        | 21.8       |               | ug/L |   | 87   | 67 - 127    | 8   | 25        |
| Xylenes, Total               | <0.11         |                  | 50.0        | 52.6       |               | ug/L |   | 105  | 80 - 120    | 2   | 20        |
| Surrogate                    | MSD %Recovery | MSD Qualifier    | Limits      |            |               |      |   |      |             |     |           |
| 1,2-Dichloroethane-d4 (Surr) | 94            |                  | 70 - 127    |            |               |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)  | 96            |                  | 78 - 120    |            |               |      |   |      |             |     |           |
| Toluene-d8 (Surr)            | 105           |                  | 80 - 125    |            |               |      |   |      |             |     |           |
| Dibromofluoromethane (Surr)  | 98            |                  | 77 - 120    |            |               |      |   |      |             |     |           |

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: MP-13 (044-048)-202410**

**Lab Sample ID: 500-259162-1**

**Date Collected: 10/21/24 16:30**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 2               | 673258       | ETB     | EET DEN | 11/01/24 00:05       |

**Client Sample ID: MP-13 (067-071)-202410**

**Lab Sample ID: 500-259162-2**

**Date Collected: 10/21/24 16:10**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673258       | ETB     | EET DEN | 10/31/24 21:48       |

**Client Sample ID: MP-13 (081-085)-202410**

**Lab Sample ID: 500-259162-3**

**Date Collected: 10/21/24 15:55**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 10              | 673258       | ETB     | EET DEN | 11/01/24 01:12       |

**Client Sample ID: MP-13 (102-106)-202410**

**Lab Sample ID: 500-259162-4**

**Date Collected: 10/21/24 15:15**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 10              | 673258       | ETB     | EET DEN | 11/01/24 01:34       |

**Client Sample ID: MP-13 (121-125)-202410**

**Lab Sample ID: 500-259162-5**

**Date Collected: 10/21/24 15:00**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 2               | 673671       | CCF     | EET DEN | 11/04/24 20:59       |

**Client Sample ID: MP-13 (135-139)-202410**

**Lab Sample ID: 500-259162-6**

**Date Collected: 10/21/24 14:05**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 20              | 673671       | CCF     | EET DEN | 11/04/24 21:41       |

**Client Sample ID: MP-13 (163-167)-202410**

**Lab Sample ID: 500-259162-7**

**Date Collected: 10/21/24 13:45**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 2               | 673671       | CCF     | EET DEN | 11/04/24 21:20       |

Eurofins Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: MP-14 (100-105)-202410**

**Lab Sample ID: 500-259162-8**

**Date Collected: 10/22/24 14:25**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673258       | ETB     | EET DEN | 10/31/24 22:08       |

**Client Sample ID: MP-14 (135-140)-202410**

**Lab Sample ID: 500-259162-9**

**Date Collected: 10/22/24 14:04**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673258       | ETB     | EET DEN | 10/31/24 22:42       |

**Client Sample ID: MP-14 (170-178)-202410**

**Lab Sample ID: 500-259162-10**

**Date Collected: 10/22/24 13:25**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 673671       | CCF     | EET DEN | 11/05/24 02:12       |

**Client Sample ID: MP-15 (088-092)-202410**

**Lab Sample ID: 500-259162-11**

**Date Collected: 10/22/24 10:35**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 2               | 673671       | CCF     | EET DEN | 11/05/24 01:51       |

**Client Sample ID: MP-15 (100-105)-202410**

**Lab Sample ID: 500-259162-12**

**Date Collected: 10/22/24 10:15**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 10              | 673258       | ETB     | EET DEN | 11/01/24 02:19       |

**Client Sample ID: MP-15 (120-125)-202410**

**Lab Sample ID: 500-259162-13**

**Date Collected: 10/22/24 10:00**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 10              | 673258       | ETB     | EET DEN | 11/01/24 02:41       |

**Client Sample ID: MP-15 (142-146)-202410**

**Lab Sample ID: 500-259162-14**

**Date Collected: 10/22/24 09:40**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 25              | 673258       | ETB     | EET DEN | 11/01/24 03:25       |

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: MP-15 (177-187)-202410**

**Lab Sample ID: 500-259162-15**

**Date Collected: 10/22/24 09:10**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673258       | ETB     | EET DEN | 10/31/24 23:02       |

**Client Sample ID: MP-16 (106-116)-202410**

**Lab Sample ID: 500-259162-16**

**Date Collected: 10/22/24 12:40**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673258       | ETB     | EET DEN | 10/31/24 23:22       |

**Client Sample ID: MP-16 (140-144)-202410**

**Lab Sample ID: 500-259162-17**

**Date Collected: 10/22/24 12:00**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673258       | ETB     | EET DEN | 10/31/24 23:42       |

**Client Sample ID: MP-16 (175-179)-202410**

**Lab Sample ID: 500-259162-18**

**Date Collected: 10/22/24 11:40**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673539       | DMC     | EET DEN | 11/04/24 17:11       |

**Client Sample ID: MW-01-202410**

**Lab Sample ID: 500-259162-19**

**Date Collected: 10/24/24 17:19**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 10:43       |

**Client Sample ID: MW-2D-202410**

**Lab Sample ID: 500-259162-20**

**Date Collected: 10/25/24 11:51**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 11:03       |

**Client Sample ID: MW-03D-202410**

**Lab Sample ID: 500-259162-21**

**Date Collected: 10/24/24 14:17**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 673881       | MD      | EET DEN | 11/06/24 12:26       |

Eurofins Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: MW-03D2-202410**

**Lab Sample ID: 500-259162-22**

**Date Collected: 10/24/24 15:16**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 11:23       |

**Client Sample ID: MW-03D3-202410**

**Lab Sample ID: 500-259162-23**

**Date Collected: 10/24/24 14:05**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 08:44       |

**Client Sample ID: MW-03S-202410**

**Lab Sample ID: 500-259162-24**

**Date Collected: 10/24/24 14:59**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 673881       | MD      | EET DEN | 11/06/24 12:48       |

**Client Sample ID: MW-04D2-202410**

**Lab Sample ID: 500-259162-25**

**Date Collected: 10/24/24 17:06**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 11:43       |

**Client Sample ID: MW-05D-202410**

**Lab Sample ID: 500-259162-26**

**Date Collected: 10/24/24 11:19**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 2               | 673881       | MD      | EET DEN | 11/06/24 13:10       |

**Client Sample ID: MW-05D2-202410**

**Lab Sample ID: 500-259162-27**

**Date Collected: 10/24/24 12:18**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 50              | 673881       | MD      | EET DEN | 11/06/24 13:33       |

**Client Sample ID: MW-05D3-202410**

**Lab Sample ID: 500-259162-28**

**Date Collected: 10/24/24 09:49**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 09:04       |

Eurofins Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: MW-05S-202410**

**Date Collected: 10/24/24 10:02**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-29**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673881       | MD      | EET DEN | 11/06/24 12:03       |

**Client Sample ID: MW-06D-202410**

**Date Collected: 10/23/24 16:34**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-30**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 4               | 673689       | MD      | EET DEN | 11/05/24 13:13       |

**Client Sample ID: MW-06S-202410**

**Date Collected: 10/23/24 15:45**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-31**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673689       | MD      | EET DEN | 11/05/24 13:34       |

**Client Sample ID: MW-09D-202410**

**Date Collected: 10/22/24 16:14**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-32**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673539       | DMC     | EET DEN | 11/04/24 17:32       |

**Client Sample ID: MW-09D2-202410**

**Date Collected: 10/22/24 16:07**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-33**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 673539       | DMC     | EET DEN | 11/04/24 17:53       |

**Client Sample ID: MW-17-202410**

**Date Collected: 10/23/24 15:38**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-34**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 10              | 673689       | MD      | EET DEN | 11/05/24 13:55       |

**Client Sample ID: MW-25D-202410**

**Date Collected: 10/23/24 11:16**

**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-35**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673689       | MD      | EET DEN | 11/05/24 14:17       |

Eurofins Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: MW-25D2-202410**

**Lab Sample ID: 500-259162-36**

**Date Collected: 10/23/24 11:01**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673689       | MD      | EET DEN | 11/05/24 12:52       |

**Client Sample ID: MW-27D-202410**

**Lab Sample ID: 500-259162-37**

**Date Collected: 10/23/24 13:47**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673689       | MD      | EET DEN | 11/05/24 14:38       |

**Client Sample ID: MW-27D2-202410**

**Lab Sample ID: 500-259162-38**

**Date Collected: 10/23/24 13:50**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673689       | MD      | EET DEN | 11/05/24 14:59       |

**Client Sample ID: MW-28-202410**

**Lab Sample ID: 500-259162-39**

**Date Collected: 10/25/24 12:56**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 10              | 673881       | MD      | EET DEN | 11/06/24 13:55       |

**Client Sample ID: DUP-01-202410**

**Lab Sample ID: 500-259162-40**

**Date Collected: 10/23/24 00:00**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673689       | MD      | EET DEN | 11/05/24 15:20       |

**Client Sample ID: DUP-02-202410**

**Lab Sample ID: 500-259162-41**

**Date Collected: 10/24/24 00:00**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 4               | 673877       | BMJ     | EET DEN | 11/06/24 04:47       |

**Client Sample ID: DUP-03-202410**

**Lab Sample ID: 500-259162-42**

**Date Collected: 10/25/24 00:00**

**Matrix: Water**

**Date Received: 10/26/24 10:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673877       | BMJ     | EET DEN | 11/06/24 04:26       |

Eurofins Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

**Client Sample ID: DUP-04-202410**  
**Date Collected: 10/25/24 00:00**  
**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-43**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 5               | 673877       | BMJ     | EET DEN | 11/06/24 05:07       |

**Client Sample ID: EB-01-202410**  
**Date Collected: 10/24/24 00:00**  
**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-44**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673877       | BMJ     | EET DEN | 11/05/24 22:59       |

**Client Sample ID: TRIP BLANK-202410**  
**Date Collected: 10/25/24 00:00**  
**Date Received: 10/26/24 10:15**

**Lab Sample ID: 500-259162-45**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 673877       | BMJ     | EET DEN | 11/05/24 22:39       |

**Laboratory References:**  
EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Semi-Annual Sampling

Job ID: 500-259162-1

Laboratory: Eurofins Denver

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 999615430             | 08-31-25        |

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- 13
- 14
- 15

Eurofins Chicago  
2417 Bond Street

# Chain of Custody Record



Environment Testing  
America

University Park, IL 60484-3101  
phone 708.534.5200 fax 708.534.5211

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

|                                                                                                                                                                                                             |                        |                                                                              |                    |                                     |               |                                                       |                                                                                                                                      |                               |             |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------|--------------------|-------------------------------------|---------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|------------------------------|
| <b>Client Contact</b>                                                                                                                                                                                       |                        | <b>Project Manager: Andy Stehn</b>                                           |                    | <b>Site Contact: Andy Stehn</b>     |               | <b>Date: 04/25/2024</b>                               |                                                                                                                                      | <b>COC No.</b>                |             |                              |
| TRC Environmental                                                                                                                                                                                           |                        | Email: astehn@trccompanies.com                                               |                    | Lab Contact: Sandle Fredrick        |               | Carrier: FedEx                                        |                                                                                                                                      | 1 of 4 COCs                   |             |                              |
| 999 Fourler Dr Ste 101                                                                                                                                                                                      |                        | <b>Tel/Fax: 608-807-8112</b>                                                 |                    |                                     |               |                                                       |                                                                                                                                      | TALS Project #:               |             |                              |
| Madison, WI 53717                                                                                                                                                                                           |                        | <b>Analysis Turnaround Time</b>                                              |                    |                                     |               |                                                       |                                                                                                                                      | Sampler:                      |             |                              |
| 608-234-7374 Phone                                                                                                                                                                                          |                        | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS |                    |                                     |               |                                                       |                                                                                                                                      | For Lab Use Only:             |             |                              |
|                                                                                                                                                                                                             |                        | TAT If different from Below _____                                            |                    |                                     |               |                                                       |                                                                                                                                      | Walk-in Client                |             |                              |
| Project Name: MKC Sem-Annual Sampling                                                                                                                                                                       |                        | <input type="checkbox"/> 2 weeks                                             |                    |                                     |               |                                                       |                                                                                                                                      | Lab Sampling:                 |             |                              |
| Site: Madison Kipp                                                                                                                                                                                          |                        | <input type="checkbox"/> 1 week                                              |                    |                                     |               |                                                       |                                                                                                                                      |                               |             |                              |
| P O # 215524                                                                                                                                                                                                |                        | <input type="checkbox"/> 2 days                                              |                    |                                     |               |                                                       |                                                                                                                                      | Job / SDG No                  |             |                              |
|                                                                                                                                                                                                             |                        | <input type="checkbox"/> 1 day                                               |                    |                                     |               |                                                       |                                                                                                                                      | 500-2591162                   |             |                              |
| <b>Sample Identification</b>                                                                                                                                                                                |                        | <b>Sample Date</b>                                                           | <b>Sample Time</b> | <b>Sample Type (C=Comp, G=Grab)</b> | <b>Matrix</b> | <b># of Cont.</b>                                     | <b>Filtered Sample (Y/N)</b>                                                                                                         | <b>Perform MS / MSD (Y/N)</b> | <b>VOCs</b> | <b>Sample Specific Notes</b> |
| 1                                                                                                                                                                                                           | MP-13 (044-048)-202410 | 10/21/24                                                                     | 16 30              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 2                                                                                                                                                                                                           | MP-13 (087-071)-202410 | 10/21/24                                                                     | 16 10              | G                                   | GW            | 9                                                     | N                                                                                                                                    | x                             |             |                              |
| 3                                                                                                                                                                                                           | MP-13 (081-085)-202410 | 10/21/24                                                                     | 15:55              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 4                                                                                                                                                                                                           | MP-13 (102-106)-202410 | 10/21/24                                                                     | 15:15              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 5                                                                                                                                                                                                           | MP-13 (121-125)-202410 | 10/21/24                                                                     | 15 00              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 6                                                                                                                                                                                                           | MP-13 (135-139)-202410 | 10/21/24                                                                     | 14:05              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 7                                                                                                                                                                                                           | MP-13 (163-167)-202410 | 10/21/24                                                                     | 13:45              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 8                                                                                                                                                                                                           | MP-14 (100-105)-202410 | 10/22/24                                                                     | 14 25              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 9                                                                                                                                                                                                           | MP-14 (135-140)-202410 | 10/22/24                                                                     | 14 04              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 10                                                                                                                                                                                                          | MP-14 (170-178)-202410 | 10/22/24                                                                     | 13:25              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 11                                                                                                                                                                                                          | MP-15 (088-092)-202410 | 10/22/24                                                                     | 10:35              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| 12                                                                                                                                                                                                          | MP-15 (100-105)-202410 | 10/22/24                                                                     | 10:15              | G                                   | GW            | 3                                                     | N                                                                                                                                    | x                             |             |                              |
| <b>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other</b>                                                                                                                                |                        |                                                                              |                    |                                     |               |                                                       | 2                                                                                                                                    |                               |             |                              |
| <b>Possible Hazard Identification:</b><br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. |                        |                                                                              |                    |                                     |               |                                                       | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                           |                               |             |                              |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                            |                        |                                                                              |                    |                                     |               |                                                       | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |                               |             |                              |
| <b>Special Instructions/QC Requirements &amp; Comments:</b>                                                                                                                                                 |                        |                                                                              |                    |                                     |               |                                                       |                                                                                                                                      |                               |             |                              |
| 1.3+13                                                                                                                                                                                                      |                        |                                                                              |                    |                                     |               |                                                       |                                                                                                                                      |                               |             |                              |
| Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                              |                        | Custody Seal No. _____                                                       |                    | Cooler Temp (°C) Obs'd: _____       |               | Corr'd: _____                                         |                                                                                                                                      | Therm ID No _____             |             |                              |
| Relinquished by: <i>[Signature]</i>                                                                                                                                                                         |                        | Company: <i>TRC</i>                                                          |                    | Date/Time: 10/25/24 16:30           |               | Received by:                                          |                                                                                                                                      | Company:                      |             | Date/Time:                   |
| Relinquished by:                                                                                                                                                                                            |                        | Company:                                                                     |                    | Date/Time:                          |               | Received by:                                          |                                                                                                                                      | Company:                      |             | Date/Time:                   |
| Relinquished by:                                                                                                                                                                                            |                        | Company:                                                                     |                    | Date/Time:                          |               | Received in Laboratory by: <i>Stephanie Hernandez</i> |                                                                                                                                      | Company: <i>EETA</i>          |             | Date/Time: 10/26/24 10:15    |



Eurofins Chicago  
2417 Bond Street

## Chain of Custody Record



Environment Testing  
America

University Park, IL 60484-3101  
phone 708.534 5200 fax 708 534 5211

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

| Client Contact                                                                                                                                                                                      |             | Project Manager: Andy Stehn                                                  |                              | Site Contact: Andy Stehn     |            | Date: 04/25/2024                                                                                                                     |                        | COC No                   |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------|------------------------------|------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|------------------------|
| TRC Environmental                                                                                                                                                                                   |             | Email: astehn@trccompanies.com                                               |                              | Lab Contact: Sandle Fredrick |            | Carrier: FedEx                                                                                                                       |                        | 2 of 4 COCs              |                        |
| 999 Fourier Dr Ste 101                                                                                                                                                                              |             | Tel/Fax: 608-807-8112                                                        |                              |                              |            |                                                                                                                                      |                        | TALS Project #.          |                        |
| Madison, WI 53717                                                                                                                                                                                   |             | Analysis Turnaround Time                                                     |                              |                              |            |                                                                                                                                      |                        | Sampler                  |                        |
| 608-234-7374 Phone                                                                                                                                                                                  |             | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS |                              |                              |            |                                                                                                                                      |                        | For Lab Use Only:        |                        |
|                                                                                                                                                                                                     |             | TAT If different from Below _____                                            |                              |                              |            |                                                                                                                                      |                        | Walk-In Client           |                        |
| Project Name MKC Sem-Annual Sampling                                                                                                                                                                |             | <input type="checkbox"/> 2 weeks                                             |                              |                              |            |                                                                                                                                      |                        | Lab Sampling             |                        |
| Site: Madison Klpp                                                                                                                                                                                  |             | <input type="checkbox"/> 1 week                                              |                              |                              |            |                                                                                                                                      |                        | Job / SDG No.            |                        |
| P O # 215524                                                                                                                                                                                        |             | <input type="checkbox"/> 2 days                                              |                              |                              |            |                                                                                                                                      |                        | 500-2591162              |                        |
|                                                                                                                                                                                                     |             | <input type="checkbox"/> 1 day                                               |                              |                              |            |                                                                                                                                      |                        |                          |                        |
| Sample Identification                                                                                                                                                                               | Sample Date | Sample Time                                                                  | Sample Type (C=Comp, G=Grab) | Matrix                       | # of Cont. | Filtered Sample (Y/N)                                                                                                                | Perform MS / MSD (Y/N) | VOCs                     | Sample Specific Notes. |
| MP-15 (120-125)-202410                                                                                                                                                                              | 10/22/24    | 10 00                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MP-15 (142-146)-202410                                                                                                                                                                              | 10/22/24    | 9 40                                                                         | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MP-15 (177-187)-202410                                                                                                                                                                              | 10/22/24    | 9:10                                                                         | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MP-16 (106-116)-202410                                                                                                                                                                              | 10/22/24    | 12 40                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MP-16 (140-144)-202410                                                                                                                                                                              | 10/22/24    | 12 00                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MP-16 (175-179)-202410                                                                                                                                                                              | 10/22/24    | 11:40                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MW-01-202410                                                                                                                                                                                        | 10/24/24    | 17:19                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MW-02D-202410                                                                                                                                                                                       | 10/25/24    | 11 51                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MW-03D-202410                                                                                                                                                                                       | 10/24/24    | 14 17                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MW-03D2-202410                                                                                                                                                                                      | 10/24/24    | 15:16                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| MW-03D3-202410                                                                                                                                                                                      | 10/24/24    | 14:05                                                                        | G                            | GW                           | 9          | N                                                                                                                                    | Y                      | x                        |                        |
| MW-03S-202410                                                                                                                                                                                       | 10/24/24    | 14 59                                                                        | G                            | GW                           | 3          | N                                                                                                                                    | x                      |                          |                        |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other                                                                                                                               |             |                                                                              |                              |                              |            | 2                                                                                                                                    |                        |                          |                        |
| Possible Hazard Identification:<br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample |             |                                                                              |                              |                              |            | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)                                                  |                        |                          |                        |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                    |             |                                                                              |                              |                              |            | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |                        |                          |                        |
| Special Instructions/QC Requirements & Comments:                                                                                                                                                    |             |                                                                              |                              |                              |            |                                                                                                                                      |                        |                          |                        |
| Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No _____ Cooler Temp. (°C) Obs'd: _____ Corr'd: _____ Therm ID No _____                                  |             |                                                                              |                              |                              |            |                                                                                                                                      |                        |                          |                        |
| Relinquished by: <i>[Signature]</i>                                                                                                                                                                 |             | Company: <i>TRC</i>                                                          |                              | Date/Time: 10/25/24 16:30    |            | Received by:                                                                                                                         |                        | Company: _____           |                        |
| Relinquished by:                                                                                                                                                                                    |             | Company:                                                                     |                              | Date/Time:                   |            | Received by:                                                                                                                         |                        | Company: _____           |                        |
| Relinquished by:                                                                                                                                                                                    |             | Company:                                                                     |                              | Date/Time:                   |            | Received in Laboratory by: <i>Stephanie Hernandez</i>                                                                                |                        | Company: EETA            |                        |
|                                                                                                                                                                                                     |             |                                                                              |                              |                              |            |                                                                                                                                      |                        | Date/Time: 10/26/24 1015 |                        |

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University Park, IL 60484-3101  
phone 708 534 5200 fax 708.534 5211

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

| Client Contact                                                                                                                                                                                       |                | Project Manager: Andy Stehn                                                  |             | Site Contact: Andy Stehn     |        | Date: 04/25/2024                                      |                                                                                                                                      | COC No                 |      |                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------|-------------|------------------------------|--------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|---------------------------|
| TRC Environmental                                                                                                                                                                                    |                | Email: astehn@trccompanies.com                                               |             | Lab Contact: Sandle Fredrick |        | Carrier: FedEx                                        |                                                                                                                                      | 3 of 4 COCs            |      |                           |
| 999 Fourier Dr Ste 101                                                                                                                                                                               |                | Tel/Fax: 608-807-8112                                                        |             |                              |        |                                                       |                                                                                                                                      | TALS Project #.        |      |                           |
| Madison, WI 53717                                                                                                                                                                                    |                | Analysis Turnaround Time                                                     |             |                              |        |                                                       |                                                                                                                                      | Sampler.               |      |                           |
| 608-234-7374 Phone                                                                                                                                                                                   |                | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS |             |                              |        |                                                       |                                                                                                                                      | For Lab Use Only:      |      |                           |
|                                                                                                                                                                                                      |                | TAT If different from Below _____                                            |             |                              |        |                                                       |                                                                                                                                      | Walk-In Client:        |      |                           |
| Project Name MKC Sem-Annual Sampling                                                                                                                                                                 |                | <input type="checkbox"/> 2 weeks                                             |             |                              |        |                                                       |                                                                                                                                      | Lab Sampling:          |      |                           |
| Site: Madison Klpp                                                                                                                                                                                   |                | <input type="checkbox"/> 1 week                                              |             |                              |        |                                                       |                                                                                                                                      |                        |      |                           |
| P O # 216524                                                                                                                                                                                         |                | <input type="checkbox"/> 2 days                                              |             |                              |        |                                                       |                                                                                                                                      | Job / SDG No.:         |      |                           |
|                                                                                                                                                                                                      |                | <input type="checkbox"/> 1 day                                               |             |                              |        |                                                       |                                                                                                                                      | 500-2591102            |      |                           |
| Sample Identification                                                                                                                                                                                |                | Sample Date                                                                  | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont.                                            | Filtered Sample (Y/N)                                                                                                                | Perform MS / MSD (Y/N) | VOCs | Sample Specific Notes.    |
| 25                                                                                                                                                                                                   | MW-04D2-202410 | 10/24/24                                                                     | 17:06       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 26                                                                                                                                                                                                   | MW-05D-202410  | 10/24/24                                                                     | 11:19       | G                            | GW     | 9                                                     | N                                                                                                                                    | x                      |      |                           |
| 27                                                                                                                                                                                                   | MW-05D2-202410 | 10/24/24                                                                     | 12:18       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 28                                                                                                                                                                                                   | MW-05D3-202410 | 10/24/24                                                                     | 9:49        | G                            | GW     | 9                                                     | N                                                                                                                                    | Y                      | x    |                           |
| 29                                                                                                                                                                                                   | MW-05S-202410  | 10/24/24                                                                     | 10:02       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 30                                                                                                                                                                                                   | MW-06D-202410  | 10/23/24                                                                     | 16:34       | G                            | GW     | 9                                                     | N                                                                                                                                    | x                      |      |                           |
| 31                                                                                                                                                                                                   | MW-06S-202410  | 10/23/24                                                                     | 15:45       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 32                                                                                                                                                                                                   | MW-09D-202410  | 10/22/24                                                                     | 16:14       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 33                                                                                                                                                                                                   | MW-09D2-202410 | 10/22/24                                                                     | 16:07       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 34                                                                                                                                                                                                   | MW-17-202410   | 10/23/24                                                                     | 15:38       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 35                                                                                                                                                                                                   | MW-25D-202410  | 10/23/24                                                                     | 11:16       | G                            | GW     | 3                                                     | N                                                                                                                                    | x                      |      |                           |
| 36                                                                                                                                                                                                   | MW-25D2-202410 | 10/23/24                                                                     | 11:11       | G                            | GW     | 9                                                     | N                                                                                                                                    | Y                      | x    |                           |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other                                                                                                                                |                |                                                                              |             |                              |        |                                                       | 2                                                                                                                                    |                        |      |                           |
| Possible Hazard Identification:<br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. |                |                                                                              |             |                              |        |                                                       | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)                                                  |                        |      |                           |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                     |                |                                                                              |             |                              |        |                                                       | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |                        |      |                           |
| Special Instructions/QC Requirements & Comments:                                                                                                                                                     |                |                                                                              |             |                              |        |                                                       |                                                                                                                                      |                        |      |                           |
| Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                        |                |                                                                              |             |                              |        |                                                       |                                                                                                                                      |                        |      |                           |
| Relinquished by: <i>[Signature]</i>                                                                                                                                                                  |                | Company: <i>TRC</i>                                                          |             | Date/Time: 10/25/24 16:30    |        | Received by:                                          |                                                                                                                                      | Company:               |      | Date/Time:                |
| Relinquished by:                                                                                                                                                                                     |                | Company:                                                                     |             | Date/Time:                   |        | Received by:                                          |                                                                                                                                      | Company:               |      | Date/Time:                |
| Relinquished by:                                                                                                                                                                                     |                | Company:                                                                     |             | Date/Time:                   |        | Received in Laboratory by: <i>Stephanie Hemminger</i> |                                                                                                                                      | Company: <i>EEIA</i>   |      | Date/Time: 10/26/24 10:15 |

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Environment Testing  
AmericaUniversity Park, IL 60484-3101  
phone 708 534 5200 fax 708 534 5211Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other.

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| Client Contact                                                                                                                                                                                      |                   | Project Manager: Andy Stehn                                                  |             | Site Contact: Andy Stehn     |        | Date: 04/25/2024           |                                                                                                                                      | COC No.                |      |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------|-------------|------------------------------|--------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|---------------------------|
| TRC Environmental                                                                                                                                                                                   |                   | Email: astehn@trccompanies.com                                               |             | Lab Contact: Sandle Fredrick |        | Carrier: FedEx             |                                                                                                                                      | 4 of 4 COCs            |      |                           |
| 999 Fourier Dr Ste 101                                                                                                                                                                              |                   | Tel/Fax: 608-807-8112                                                        |             |                              |        |                            |                                                                                                                                      | TALS Project #:        |      |                           |
| Madison, WI 53717                                                                                                                                                                                   |                   | Analysis Turnaround Time                                                     |             |                              |        |                            |                                                                                                                                      | Sampler:               |      |                           |
| 608-234-7374 Phone                                                                                                                                                                                  |                   | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS |             |                              |        |                            |                                                                                                                                      | For Lab Use Only:      |      |                           |
|                                                                                                                                                                                                     |                   | TAT If different from Below _____                                            |             |                              |        |                            |                                                                                                                                      | Walk-In Client:        |      |                           |
| Project Name MKC Sem-Annual Sampling                                                                                                                                                                |                   | <input type="checkbox"/> 2 weeks                                             |             |                              |        |                            |                                                                                                                                      | Lab Sampling:          |      |                           |
| Site: Madison Klipp                                                                                                                                                                                 |                   | <input type="checkbox"/> 1 week                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
| P O # 216524                                                                                                                                                                                        |                   | <input type="checkbox"/> 2 days                                              |             |                              |        |                            |                                                                                                                                      | Job / SDG No.          |      |                           |
|                                                                                                                                                                                                     |                   | <input type="checkbox"/> 1 day                                               |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
| Sample Identification                                                                                                                                                                               |                   | Sample Date                                                                  | Sample Time | Sample Type (G=Comp, G=Grab) | Matrix | # of Cont.                 | Filtered Sample (Y/N)                                                                                                                | Perform MS / MSD (Y/N) | VOCs | Sample Specific Notes.    |
| 37                                                                                                                                                                                                  | MW-27D-202410     | 10/23/24                                                                     | 13:47       | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 38                                                                                                                                                                                                  | MW-27D2-202410    | 10/23/24                                                                     | 13:50       | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 39                                                                                                                                                                                                  | MW-28-202410      | 10/25/24                                                                     | 12:56       | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 40                                                                                                                                                                                                  | DUP-01-202410     | 10/23/24                                                                     | --          | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 41                                                                                                                                                                                                  | DUP-02-202410     | 10/24/24                                                                     | --          | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 42                                                                                                                                                                                                  | DUP-03-202410     | 10/25/24                                                                     | --          | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 43                                                                                                                                                                                                  | DUP-04-202410     | 10/25/24                                                                     | --          | G                            | GW     | 3                          | N                                                                                                                                    | x                      |      |                           |
| 44                                                                                                                                                                                                  | EB-01-202410      | 10/24/24                                                                     |             | G                            | W      | 3                          | N                                                                                                                                    | x                      |      |                           |
| 45                                                                                                                                                                                                  | TRIP BLANK-202410 | --                                                                           | --          | --                           | W      | 3                          | N                                                                                                                                    | x                      |      |                           |
|                                                                                                                                                                                                     |                   |                                                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
|                                                                                                                                                                                                     |                   |                                                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
|                                                                                                                                                                                                     |                   |                                                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
|                                                                                                                                                                                                     |                   |                                                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____                                                                                                                         |                   |                                                                              |             |                              |        |                            | 2                                                                                                                                    |                        |      |                           |
| Possible Hazard Identification:<br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample |                   |                                                                              |             |                              |        |                            | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)                                                  |                        |      |                           |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown                    |                   |                                                                              |             |                              |        |                            | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |                        |      |                           |
| Special Instructions/QC Requirements & Comments:                                                                                                                                                    |                   |                                                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
| Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                       |                   |                                                                              |             |                              |        |                            |                                                                                                                                      |                        |      |                           |
| Relinquished by:                                                                                                                                                                                    |                   | Company: TRC                                                                 |             | Date/Time: 10/25/24 16:30    |        | Received by:               |                                                                                                                                      | Company: EETA          |      | Date/Time: 10/26/24 10:15 |
| Relinquished by:                                                                                                                                                                                    |                   | Company:                                                                     |             | Date/Time:                   |        | Received by:               |                                                                                                                                      | Company:               |      | Date/Time:                |
| Relinquished by:                                                                                                                                                                                    |                   | Company:                                                                     |             | Date/Time:                   |        | Received in Laboratory by: |                                                                                                                                      | Company:               |      | Date/Time:                |

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-259162-1

**Login Number: 259162**

**List Source: Eurofins Chicago**

**List Number: 1**

**Creator: Hernandez, Stephanie**

| Question                                                                                 | Answer | Comment                                                                         |
|------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------|
| Radioactivity wasn't checked or is $\leq$ 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   | 1.3                                                                             |
| 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  | IDs on containers do not match the COC. Logged in per 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 $<6\text{mm}$ (1/4"). | False  | Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace |
| Multiphasic samples are not present.                                                     | True   |                                                                                 |
| Samples do not require splitting or compositing.                                         | True   |                                                                                 |
| Residual Chlorine Checked.                                                               | N/A    |                                                                                 |

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-259162-1

**Login Number: 259162**

**List Number: 2**

**Creator: Held, Wesley**

**List Source: Eurofins Denver**

**List Creation: 10/30/24 05:11 PM**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| The cooler's custody seal, if present, is intact.                                        | N/A    |         |
| Sample custody seals, if present, are intact.                                            | N/A    |         |
| 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   |         |
| 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?                                              | N/A    |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| 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.                                                            | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## **Appendix F: Rain Garden Analytical Reports**

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 11/18/2024 9:14:37 AM Revision 1

## JOB DESCRIPTION

MKC Rain Garden

## JOB NUMBER

500-250343-1



# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

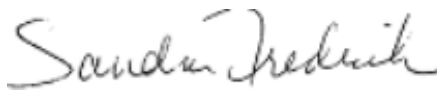
## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
11/18/2024 9:14:37 AM  
Revision 1

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
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## Case Narrative

Client: TRC Environmental Corporation  
Project: MKC Rain Garden

Job ID: 500-250343-1

**Job ID: 500-250343-1**

**Eurofins Chicago**

### Job Narrative 500-250343-1

#### Revision

The report being provided is a revision of the original report sent on 5/28/2024. The report (revision 1) is being revised due to: Client requested dry weight correction.

#### Receipt

The samples were received on 5/9/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

#### GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with 180-468342 recovered high and outside the control limits for 1016, 1260 and surrogates TCMX and DCB on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCVIS 180-468342/47).

Method 8082A: Second internal standard recovered low. Results for this internal were reported from the passing column. (LCS 180-469638/2-A)

Method 8082A: Surrogate DCB recovered slightly low but TCMX passed. All surrogates were reported. (CCVIS 180-469838/47) and (CCVIS 180-469838/69)

Method 8082A: The continuing calibration verification (CCV) associated with 180-469838 recovered high and outside the control limits for 1260 on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCVIS 180-469838/69).

Method 8082A: The following sample was diluted due to the abundance of target analytes: 050824-MH-1A (500-250343-1)

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

#### General Chemistry

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

#### Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 180-468336.

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

Eurofins Chicago

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

### Client Sample ID: 050824-MH-1A

### Lab Sample ID: 500-250343-1

| Analyte  | Result | Qualifier | LOQ | LOD | Unit  | Dil Fac | D | Method    | Prep Type |
|----------|--------|-----------|-----|-----|-------|---------|---|-----------|-----------|
| PCB-1248 | 230    |           | 4.5 | 1.1 | ug/Kg | 5       | ✧ | EPA 8082A | Total/NA  |
| PCB-1260 | 26     |           | 4.5 | 1.3 | ug/Kg | 5       | ✧ | EPA 8082A | Total/NA  |

### Client Sample ID: 050824-OUTFALL

### Lab Sample ID: 500-250343-2

| Analyte  | Result | Qualifier | LOQ | LOD  | Unit  | Dil Fac | D | Method    | Prep Type |
|----------|--------|-----------|-----|------|-------|---------|---|-----------|-----------|
| PCB-1248 | 230    |           | 1.0 | 0.25 | ug/Kg | 1       | ✧ | EPA 8082A | Total/NA  |

### Client Sample ID: 050824-W

### Lab Sample ID: 500-250343-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

| Method    | Method Description                           | Protocol | Laboratory |
|-----------|----------------------------------------------|----------|------------|
| EPA 8082A | Polychlorinated Biphenyls (PCBs) (GC)        | SW846    | EET PIT    |
| Moisture  | Percent Moisture                             | EPA      | EET PIT    |
| 3510C     | Liquid-Liquid Extraction (Separatory Funnel) | SW846    | EET PIT    |
| 3541      | Automated Soxhlet Extraction                 | SW846    | EET PIT    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-250343-1  | 050824-MH-1A     | Solid  | 05/08/24 15:40 | 05/09/24 10:00 |
| 500-250343-2  | 050824-OUTFALL   | Solid  | 05/08/24 15:25 | 05/09/24 10:00 |
| 500-250343-3  | 050824-W         | Water  | 05/08/24 15:00 | 05/09/24 10:00 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

**Client Sample ID: 050824-MH-1A**

**Lab Sample ID: 500-250343-1**

**Date Collected: 05/08/24 15:40**

**Matrix: Solid**

**Date Received: 05/09/24 10:00**

**Percent Solids: 89.5**

**Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)**

| Analyte         | Result     | Qualifier | LOQ | LOD  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| PCB-1016        | <1.5       |           | 4.5 | 1.5  | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |
| PCB-1221        | <1.6       |           | 4.5 | 1.6  | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |
| PCB-1232        | <1.1       |           | 4.5 | 1.1  | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |
| PCB-1242        | <0.66      |           | 4.5 | 0.66 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |
| <b>PCB-1248</b> | <b>230</b> |           | 4.5 | 1.1  | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |
| PCB-1254        | <1.4       |           | 4.5 | 1.4  | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |
| <b>PCB-1260</b> | <b>26</b>  |           | 4.5 | 1.3  | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 13:12 | 5       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene (Surr) | 111       |           | 22 - 147 | 05/23/24 14:11 | 05/28/24 13:12 | 5       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

Client Sample ID: 050824-OUTFALL

Lab Sample ID: 500-250343-2

Date Collected: 05/08/24 15:25

Matrix: Solid

Date Received: 05/09/24 10:00

Percent Solids: 78.7

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result | Qualifier | LOQ | LOD  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| PCB-1016 | <0.33  |           | 1.0 | 0.33 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |
| PCB-1221 | <0.36  |           | 1.0 | 0.36 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |
| PCB-1232 | <0.25  |           | 1.0 | 0.25 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |
| PCB-1242 | <0.15  |           | 1.0 | 0.15 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |
| PCB-1248 | 230    |           | 1.0 | 0.25 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |
| PCB-1254 | <0.31  |           | 1.0 | 0.31 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |
| PCB-1260 | <0.29  | * ^c      | 1.0 | 0.29 | ug/Kg | ✱ | 05/23/24 14:11 | 05/28/24 05:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene (Surr) | 92        |           | 22 - 147 | 05/23/24 14:11 | 05/28/24 05:34 | 1       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

Client Sample ID: 050824-W

Lab Sample ID: 500-250343-3

Date Collected: 05/08/24 15:00

Matrix: Water

Date Received: 05/09/24 10:00

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result  | Qualifier | LOQ    | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|---------|-----------|--------|--------|------|---|----------------|----------------|---------|
| PCB-1016 | <0.0047 |           | 0.0098 | 0.0047 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| PCB-1221 | <0.0056 |           | 0.0098 | 0.0056 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| PCB-1232 | <0.0051 |           | 0.0098 | 0.0051 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| PCB-1242 | <0.0035 |           | 0.0098 | 0.0035 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| PCB-1248 | <0.0079 |           | 0.0098 | 0.0079 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| PCB-1254 | <0.0045 |           | 0.0098 | 0.0045 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| PCB-1260 | <0.0038 |           | 0.0098 | 0.0038 | ug/L |   | 05/12/24 23:30 | 05/14/24 11:41 | 1       |

| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) | 80        |           | 53 - 129 | 05/12/24 23:30 | 05/14/24 11:41 | 1       |
| Tetrachloro-m-xylene (Surr)   | 111       |           | 58 - 125 | 05/12/24 23:30 | 05/14/24 11:41 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

### Qualifiers

#### GC Semi VOA

| Qualifier | Qualifier Description                                     |
|-----------|-----------------------------------------------------------|
| *         | ISTD response or retention time outside acceptable limits |
| ^c        | CCV Recovery is outside acceptance limits.                |

### 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

## GC Semi VOA

### Prep Batch: 468336

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-250343-3        | 050824-W               | Total/NA  | Water  | 3510C  |            |
| MB 180-468336/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 180-468336/4-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 180-468336/5-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 468342

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 500-250343-3        | 050824-W               | Total/NA  | Water  | EPA 8082A | 468336     |
| MB 180-468336/1-A   | Method Blank           | Total/NA  | Water  | EPA 8082A | 468336     |
| LCS 180-468336/4-A  | Lab Control Sample     | Total/NA  | Water  | EPA 8082A | 468336     |
| LCSD 180-468336/5-A | Lab Control Sample Dup | Total/NA  | Water  | EPA 8082A | 468336     |

### Prep Batch: 469638

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 500-250343-1       | 050824-MH-1A       | Total/NA  | Solid  | 3541   |            |
| 500-250343-2       | 050824-OUTFALL     | Total/NA  | Solid  | 3541   |            |
| MB 180-469638/1-A  | Method Blank       | Total/NA  | Solid  | 3541   |            |
| LCS 180-469638/2-A | Lab Control Sample | Total/NA  | Solid  | 3541   |            |

### Analysis Batch: 469838

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method    | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 500-250343-1       | 050824-MH-1A       | Total/NA  | Solid  | EPA 8082A | 469638     |
| 500-250343-2       | 050824-OUTFALL     | Total/NA  | Solid  | EPA 8082A | 469638     |
| MB 180-469638/1-A  | Method Blank       | Total/NA  | Solid  | EPA 8082A | 469638     |
| LCS 180-469638/2-A | Lab Control Sample | Total/NA  | Solid  | EPA 8082A | 469638     |

## General Chemistry

### Analysis Batch: 468527

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 500-250343-1  | 050824-MH-1A     | Total/NA  | Solid  | Moisture |            |
| 500-250343-2  | 050824-OUTFALL   | Total/NA  | Solid  | Moisture |            |

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | TCX2<br>(22-147) |
|--------------------|--------------------|------------------|
| 500-250343-1       | 050824-MH-1A       | 111              |
| 500-250343-2       | 050824-OUTFALL     | 92               |
| LCS 180-469638/2-A | Lab Control Sample | 94               |
| MB 180-469638/1-A  | Method Blank       | 96               |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCB1<br>(53-129) | TCX2<br>(58-125) |
|---------------|------------------|------------------|------------------|
| 500-250343-3  | 050824-W         | 80               | 111              |

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DCB2<br>(53-129) | TCX2<br>(58-125) |
|---------------------|------------------------|------------------|------------------|
| LCS 180-468336/4-A  | Lab Control Sample     | 90               | 90               |
| LCSD 180-468336/5-A | Lab Control Sample Dup | 92               | 89               |
| MB 180-468336/1-A   | Method Blank           | 103              | 94               |

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-468336/1-A

Matrix: Water

Analysis Batch: 468342

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 468336

| Analyte                       | MB Result    | MB Qualifier | LOQ      | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|--------------|----------|--------|------|---|----------------|----------------|---------|
| PCB-1016                      | <0.0048      |              | 0.010    | 0.0048 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| PCB-1221                      | <0.0057      |              | 0.010    | 0.0057 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| PCB-1232                      | <0.0052      |              | 0.010    | 0.0052 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| PCB-1242                      | <0.0036      |              | 0.010    | 0.0036 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| PCB-1248                      | <0.0080      |              | 0.010    | 0.0080 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| PCB-1254                      | <0.0046      |              | 0.010    | 0.0046 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| PCB-1260                      | <0.0039      |              | 0.010    | 0.0039 | ug/L |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| Surrogate                     | MB %Recovery | MB Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 103          |              | 53 - 129 |        |      |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |
| Tetrachloro-m-xylene (Surr)   | 94           |              | 58 - 125 |        |      |   | 05/12/24 23:30 | 05/14/24 05:29 | 1       |

Lab Sample ID: LCS 180-468336/4-A

Matrix: Water

Analysis Batch: 468342

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 468336

| Analyte                       | Spike Added   | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|---------------|---------------|---------------|------|---|------|-------------|
| PCB-1016                      | 1.00          | 0.823         |               | ug/L |   | 82   | 47 - 119    |
| PCB-1260                      | 1.00          | 0.703         |               | ug/L |   | 70   | 43 - 116    |
| Surrogate                     | LCS %Recovery | LCS Qualifier | Limits        |      |   |      |             |
| DCB Decachlorobiphenyl (Surr) | 90            |               | 53 - 129      |      |   |      |             |
| Tetrachloro-m-xylene (Surr)   | 90            |               | 58 - 125      |      |   |      |             |

Lab Sample ID: LCSD 180-468336/5-A

Matrix: Water

Analysis Batch: 468342

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 468336

| Analyte                       | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------|----------------|----------------|----------------|------|---|------|-------------|-----|-----------|
| PCB-1016                      | 1.00           | 0.820          |                | ug/L |   | 82   | 47 - 119    | 0   | 35        |
| PCB-1260                      | 1.00           | 0.716          |                | ug/L |   | 72   | 43 - 116    | 2   | 35        |
| Surrogate                     | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |             |     |           |
| DCB Decachlorobiphenyl (Surr) | 92             |                | 53 - 129       |      |   |      |             |     |           |
| Tetrachloro-m-xylene (Surr)   | 89             |                | 58 - 125       |      |   |      |             |     |           |

Lab Sample ID: MB 180-469638/1-A

Matrix: Solid

Analysis Batch: 469838

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 469638

| Analyte  | MB Result | MB Qualifier | LOQ  | LOD   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | <0.14     |              | 0.42 | 0.14  | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |
| PCB-1221 | <0.15     |              | 0.42 | 0.15  | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |
| PCB-1232 | <0.10     |              | 0.42 | 0.10  | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |
| PCB-1242 | <0.061    |              | 0.42 | 0.061 | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |
| PCB-1248 | <0.10     |              | 0.42 | 0.10  | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |
| PCB-1254 | <0.13     |              | 0.42 | 0.13  | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |
| PCB-1260 | <0.12     |              | 0.42 | 0.12  | ug/Kg |   | 05/23/24 14:11 | 05/28/24 00:17 | 1       |

Eurofins Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

|                             |           | MB        | MB             |                |                  |       |     |      |                | Lab Sample ID: LCS 180-469638/2-A<br>Matrix: Solid<br>Analysis Batch: 469838 |  |
|-----------------------------|-----------|-----------|----------------|----------------|------------------|-------|-----|------|----------------|------------------------------------------------------------------------------|--|
| Surrogate                   | %Recovery | Qualifier | Limits         | Prepared       | Analyzed         | Dil   | Fac |      |                |                                                                              |  |
| Tetrachloro-m-xylene (Surr) | 96        |           | 22 - 147       | 05/23/24 14:11 | 05/28/24 00:17   | 1     |     |      |                |                                                                              |  |
|                             |           |           |                |                |                  |       |     |      |                |                                                                              |  |
|                             |           |           |                |                |                  |       |     |      |                |                                                                              |  |
|                             |           |           |                |                |                  |       |     |      |                |                                                                              |  |
| Analyte                     |           |           | Spike<br>Added | LCS<br>Result  | LCS<br>Qualifier | Unit  | D   | %Rec | %Rec<br>Limits |                                                                              |  |
| PCB-1016                    |           |           | 33.3           | 35.8           |                  | ug/Kg |     | 107  | 32 - 134       |                                                                              |  |
| PCB-1260                    |           |           | 33.3           | 38.9           |                  | ug/Kg |     | 117  | 40 - 130       |                                                                              |  |
|                             |           | LCS       | LCS            |                |                  |       |     |      |                |                                                                              |  |
| Surrogate                   | %Recovery | Qualifier | Limits         |                |                  |       |     |      |                |                                                                              |  |
| Tetrachloro-m-xylene (Surr) | 94        |           | 22 - 147       |                |                  |       |     |      |                |                                                                              |  |



# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

**Client Sample ID: 050824-MH-1A**

**Date Collected: 05/08/24 15:40**

**Date Received: 05/09/24 10:00**

**Lab Sample ID: 500-250343-1**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 468527       | CMC     | EET PIT | 05/14/24 11:18       |

**Client Sample ID: 050824-MH-1A**

**Date Collected: 05/08/24 15:40**

**Date Received: 05/09/24 10:00**

**Lab Sample ID: 500-250343-1**

**Matrix: Solid**

**Percent Solids: 89.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 3541         |     |                 | 469638       | DVC     | EET PIT | 05/23/24 14:11       |
| Total/NA  | Analysis   | EPA 8082A    |     | 5               | 469838       | JMO     | EET PIT | 05/28/24 13:12       |

**Client Sample ID: 050824-OUTFALL**

**Date Collected: 05/08/24 15:25**

**Date Received: 05/09/24 10:00**

**Lab Sample ID: 500-250343-2**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 468527       | CMC     | EET PIT | 05/14/24 11:18       |

**Client Sample ID: 050824-OUTFALL**

**Date Collected: 05/08/24 15:25**

**Date Received: 05/09/24 10:00**

**Lab Sample ID: 500-250343-2**

**Matrix: Solid**

**Percent Solids: 78.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 3541         |     |                 | 469638       | DVC     | EET PIT | 05/23/24 14:11       |
| Total/NA  | Analysis   | EPA 8082A    |     | 1               | 469838       | JMO     | EET PIT | 05/28/24 05:34       |

**Client Sample ID: 050824-W**

**Date Collected: 05/08/24 15:00**

**Date Received: 05/09/24 10:00**

**Lab Sample ID: 500-250343-3**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 3510C        |     |                 | 468336       | CBY     | EET PIT | 05/12/24 23:30       |
| Total/NA  | Analysis   | EPA 8082A    |     | 1               | 468342       | JMO     | EET PIT | 05/14/24 11:41       |

## Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-250343-1

Laboratory: Eurofins Pittsburgh

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 998027800             | 08-07-24        |

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ANDY STEIN  
TRC ENVIRONMENTAL CORPORATION  
999 FOURIER DRIVE  
SUITE 101  
MADISON WI 53717  
UNITED STATES US

FLIGHT - 23.700 LB 377M  
CAD 0780307/CAF03755

Part # 158469-434 MTW EXP 09/24

TO SAMPLE RECEIPT  
EUROFINS  
301 ALPHA DRIVE

PITTSBURGH PA 15238

(262) 202-6856

REF:

DEPT

RMA



FedEx  
Express



FedEx

TRK#  
0221

7338 9115 9436

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**XS AGCA**

15238

PA-US

PT

Uncorrected temp

Thermometer ID 4.1 21

CF -0.9 Initials XR

PT-WI-SR-001 effective 11/8/18



#5360272 05/08 583J3/C137/9RE3

RT 198  
FL 197  
10:30  
9436  
05:09  
A

IF THIS SHIPMENT IS DELIVERED  
STORE REFRIGERATED



500-250343 Waybill

 eurofins[illegible]Page 19 of 20 *BW*

11/18/2024 (Rev. 1)

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-250343-1

**Login Number: 250343**

**List Number: 2**

**Creator: Watson, Debbie**

**List Source: Eurofins Pittsburgh**

**List Creation: 05/10/24 02:26 PM**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| 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   |         |
| 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?                                              | N/A    |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Stehn  
TRC Environmental Corporation  
999 Fourier Drive, Suite 101  
Madison, Wisconsin 53717

Generated 11/18/2024 9:28:24 AM Revision 1

## JOB DESCRIPTION

MKC Rain Garden

## JOB NUMBER

500-259482-1

# Eurofins Chicago

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation =  $3.33 \times \text{LOD}$  as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
11/18/2024 9:28:24 AM  
Revision 1

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660



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## Case Narrative

Client: TRC Environmental Corporation  
Project: MKC Rain Garden

Job ID: 500-259482-1

**Job ID: 500-259482-1**

**Eurofins Chicago**

### Job Narrative 500-259482-1

#### Revision

The report being provided is a revision of the original report sent on 11/12/2024. The report (revision 1) is being revised due to: Client requested dry weight correction.

#### Receipt

The samples were received on 11/2/2024 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0° C.

#### GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with 180-483671 recovered low and outside the control limits for 1016 on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCVIS 180-483671/26).

Method 8082A: The following sample was diluted due to the nature of the sample matrix: 110124-MH-1A (500-259482-1)

Method 8082A: The continuing calibration verification (CCV) associated with 180-483976 recovered low and outside the control limits for 1016 on one column. Results are confirmed on both columns and hits were reported from the passing column. The associated sample is: (CCVIS 180-483976/26).

Method 8082A: The following samples required a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: 110124-Outfall-S (500-259482-2), (MB 180-483539/1-A), (180-181930-A-3-AH), (180-181930-A-3-AF MS) and (180-181930-A-3-AG MSD).4344653

Method 8082A: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 110124-Outfall-S (500-259482-2), (MB 180-483539/1-A), (180-181930-A-3-AH), (180-181930-A-3-AF MS) and (180-181930-A-3-AG MSD).5914604

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

#### General Chemistry

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

#### Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 180-483609.

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

Eurofins Chicago

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

### Client Sample ID: 110124-MH-1A

Lab Sample ID: 500-259482-1

| Analyte  | Result | Qualifier | LOQ | LOD  | Unit  | Dil Fac | D | Method    | Prep Type |
|----------|--------|-----------|-----|------|-------|---------|---|-----------|-----------|
| PCB-1248 | 130    |           | 1.9 | 0.47 | ug/Kg | 2       | ✱ | EPA 8082A | Total/NA  |

### Client Sample ID: 110124-Outfall-S

Lab Sample ID: 500-259482-2

| Analyte  | Result | Qualifier | LOQ | LOD  | Unit  | Dil Fac | D | Method    | Prep Type |
|----------|--------|-----------|-----|------|-------|---------|---|-----------|-----------|
| PCB-1248 | 140    |           | 2.6 | 0.62 | ug/Kg | 2       | ✱ | EPA 8082A | Total/NA  |

### Client Sample ID: 110124-Outfall-W

Lab Sample ID: 500-259482-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

| Method    | Method Description                           | Protocol | Laboratory |
|-----------|----------------------------------------------|----------|------------|
| EPA 8082A | Polychlorinated Biphenyls (PCBs) (GC)        | SW846    | EET PIT    |
| Moisture  | Percent Moisture                             | EPA      | EET PIT    |
| 3510C     | Liquid-Liquid Extraction (Separatory Funnel) | SW846    | EET PIT    |
| 3541      | Automated Soxhlet Extraction                 | SW846    | EET PIT    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-259482-1  | 110124-MH-1A     | Solid  | 11/01/24 12:56 | 11/02/24 11:00 |
| 500-259482-2  | 110124-Outfall-S | Solid  | 11/01/24 13:30 | 11/02/24 11:00 |
| 500-259482-3  | 110124-Outfall-W | Water  | 11/01/24 13:28 | 11/02/24 11:00 |

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

Client Sample ID: 110124-MH-1A

Lab Sample ID: 500-259482-1

Date Collected: 11/01/24 12:56

Matrix: Solid

Date Received: 11/02/24 11:00

Percent Solids: 83.5

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result | Qualifier | LOQ | LOD  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| PCB-1016 | <0.63  |           | 1.9 | 0.63 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |
| PCB-1221 | <0.69  |           | 1.9 | 0.69 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |
| PCB-1232 | <0.47  |           | 1.9 | 0.47 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |
| PCB-1242 | <0.28  |           | 1.9 | 0.28 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |
| PCB-1248 | 130    |           | 1.9 | 0.47 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |
| PCB-1254 | <0.58  |           | 1.9 | 0.58 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |
| PCB-1260 | <0.55  |           | 1.9 | 0.55 | ug/Kg | ✱ | 11/04/24 09:50 | 11/07/24 20:17 | 2       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene (Surr) | 132       |           | 22 - 147 | 11/04/24 09:50 | 11/07/24 20:17 | 2       |

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

Client Sample ID: 110124-Outfall-S

Lab Sample ID: 500-259482-2

Date Collected: 11/01/24 13:30

Matrix: Solid

Date Received: 11/02/24 11:00

Percent Solids: 64.7

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result | Qualifier | LOQ | LOD  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| PCB-1016 | <0.84  | ^c        | 2.6 | 0.84 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |
| PCB-1221 | <0.92  |           | 2.6 | 0.92 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |
| PCB-1232 | <0.63  |           | 2.6 | 0.63 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |
| PCB-1242 | <0.38  |           | 2.6 | 0.38 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |
| PCB-1248 | 140    |           | 2.6 | 0.62 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |
| PCB-1254 | <0.77  |           | 2.6 | 0.77 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |
| PCB-1260 | <0.73  |           | 2.6 | 0.73 | ug/Kg | ✱ | 11/04/24 09:50 | 11/11/24 20:30 | 2       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene (Surr) | 73        |           | 22 - 147 | 11/04/24 09:50 | 11/11/24 20:30 | 2       |



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

Client Sample ID: 110124-Outfall-W

Lab Sample ID: 500-259482-3

Date Collected: 11/01/24 13:28

Matrix: Water

Date Received: 11/02/24 11:00

## Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

| Analyte  | Result  | Qualifier | LOQ   | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|---------|-----------|-------|--------|------|---|----------------|----------------|---------|
| PCB-1016 | <0.0048 |           | 0.010 | 0.0048 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| PCB-1221 | <0.0057 |           | 0.010 | 0.0057 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| PCB-1232 | <0.0052 |           | 0.010 | 0.0052 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| PCB-1242 | <0.0036 |           | 0.010 | 0.0036 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| PCB-1248 | <0.0080 |           | 0.010 | 0.0080 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| PCB-1254 | <0.0046 |           | 0.010 | 0.0046 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| PCB-1260 | <0.0039 |           | 0.010 | 0.0039 | ug/L |   | 11/05/24 07:54 | 11/06/24 23:05 | 1       |

| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl (Surr) | 92        |           | 53 - 129 | 11/05/24 07:54 | 11/06/24 23:05 | 1       |
| Tetrachloro-m-xylene (Surr)   | 110       |           | 58 - 125 | 11/05/24 07:54 | 11/06/24 23:05 | 1       |

## Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

### Qualifiers

#### GC Semi VOA

| Qualifier | Qualifier Description                      |
|-----------|--------------------------------------------|
| ^c        | CCV Recovery is outside acceptance limits. |

### 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| 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)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| 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)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

## GC Semi VOA

### Prep Batch: 483539

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 500-259482-1       | 110124-MH-1A       | Total/NA  | Solid  | 3541   |            |
| 500-259482-2       | 110124-Outfall-S   | Total/NA  | Solid  | 3541   |            |
| MB 180-483539/1-A  | Method Blank       | Total/NA  | Solid  | 3541   |            |
| LCS 180-483539/2-A | Lab Control Sample | Total/NA  | Solid  | 3541   |            |

### Prep Batch: 483609

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 500-259482-3        | 110124-Outfall-W       | Total/NA  | Water  | 3510C  |            |
| MB 180-483609/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 180-483609/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 180-483609/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 483671

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 500-259482-3        | 110124-Outfall-W       | Total/NA  | Water  | EPA 8082A | 483609     |
| MB 180-483609/1-A   | Method Blank           | Total/NA  | Water  | EPA 8082A | 483609     |
| LCS 180-483609/2-A  | Lab Control Sample     | Total/NA  | Water  | EPA 8082A | 483609     |
| LCSD 180-483609/3-A | Lab Control Sample Dup | Total/NA  | Water  | EPA 8082A | 483609     |

### Analysis Batch: 483763

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method    | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 500-259482-1       | 110124-MH-1A       | Total/NA  | Solid  | EPA 8082A | 483539     |
| LCS 180-483539/2-A | Lab Control Sample | Total/NA  | Solid  | EPA 8082A | 483539     |

### Analysis Batch: 483976

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method    | Prep Batch |
|-------------------|------------------|-----------|--------|-----------|------------|
| 500-259482-2      | 110124-Outfall-S | Total/NA  | Solid  | EPA 8082A | 483539     |
| MB 180-483539/1-A | Method Blank     | Total/NA  | Solid  | EPA 8082A | 483539     |

## General Chemistry

### Analysis Batch: 483542

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 500-259482-1  | 110124-MH-1A     | Total/NA  | Solid  | Moisture |            |
| 500-259482-2  | 110124-Outfall-S | Total/NA  | Solid  | Moisture |            |

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | TCX2<br>(22-147) |
|--------------------|--------------------|------------------|
| 500-259482-1       | 110124-MH-1A       | 132              |
| 500-259482-2       | 110124-Outfall-S   | 73               |
| LCS 180-483539/2-A | Lab Control Sample | 69               |
| MB 180-483539/1-A  | Method Blank       | 81               |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DCB2<br>(53-129) | TCX2<br>(58-125) |
|---------------------|------------------------|------------------|------------------|
| 500-259482-3        | 110124-Outfall-W       | 92               | 110              |
| LCS 180-483609/2-A  | Lab Control Sample     | 89               | 85               |
| LCSD 180-483609/3-A | Lab Control Sample Dup | 89               | 89               |
| MB 180-483609/1-A   | Method Blank           | 98               | 90               |

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-483539/1-A

Matrix: Solid

Analysis Batch: 483976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 483539

| Analyte                     | MB Result    | MB Qualifier | LOQ      | LOD   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016                    | <0.14        |              | 0.42     | 0.14  | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| PCB-1221                    | <0.15        |              | 0.42     | 0.15  | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| PCB-1232                    | <0.10        |              | 0.42     | 0.10  | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| PCB-1242                    | <0.061       |              | 0.42     | 0.061 | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| PCB-1248                    | <0.10        |              | 0.42     | 0.10  | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| PCB-1254                    | <0.13        |              | 0.42     | 0.13  | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| PCB-1260                    | <0.12        |              | 0.42     | 0.12  | ug/Kg |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |
| Surrogate                   | MB %Recovery | MB Qualifier | Limits   |       |       |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene (Surr) | 81           |              | 22 - 147 |       |       |   | 11/04/24 09:50 | 11/11/24 18:24 | 1       |

Lab Sample ID: LCS 180-483539/2-A

Matrix: Solid

Analysis Batch: 483763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 483539

| Analyte                     | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|-------------|
| PCB-1016                    | 33.3          | 23.7          |               | ug/Kg |   | 71   | 32 - 134    |
| PCB-1260                    | 33.3          | 22.7          |               | ug/Kg |   | 68   | 40 - 130    |
| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |
| Tetrachloro-m-xylene (Surr) | 69            |               | 22 - 147      |       |   |      |             |

Lab Sample ID: MB 180-483609/1-A

Matrix: Water

Analysis Batch: 483671

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 483609

| Analyte                       | MB Result    | MB Qualifier | LOQ      | LOD    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|--------------|----------|--------|------|---|----------------|----------------|---------|
| PCB-1016                      | <0.0048      |              | 0.010    | 0.0048 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| PCB-1221                      | <0.0057      |              | 0.010    | 0.0057 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| PCB-1232                      | <0.0052      |              | 0.010    | 0.0052 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| PCB-1242                      | <0.0036      |              | 0.010    | 0.0036 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| PCB-1248                      | <0.0080      |              | 0.010    | 0.0080 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| PCB-1254                      | <0.0046      |              | 0.010    | 0.0046 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| PCB-1260                      | <0.0039      |              | 0.010    | 0.0039 | ug/L |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| Surrogate                     | MB %Recovery | MB Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 98           |              | 53 - 129 |        |      |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |
| Tetrachloro-m-xylene (Surr)   | 90           |              | 58 - 125 |        |      |   | 11/05/24 07:54 | 11/06/24 20:18 | 1       |

Lab Sample ID: LCS 180-483609/2-A

Matrix: Water

Analysis Batch: 483671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 483609

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| PCB-1016 | 1.00        | 0.793      |               | ug/L |   | 79   | 47 - 119    |
| PCB-1260 | 1.00        | 0.703      |               | ug/L |   | 70   | 43 - 116    |

Eurofins Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

## Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-483609/2-A  
Matrix: Water  
Analysis Batch: 483671

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 483609

|                               | LCS       | LCS       |          |
|-------------------------------|-----------|-----------|----------|
| Surrogate                     | %Recovery | Qualifier | Limits   |
| DCB Decachlorobiphenyl (Surr) | 89        |           | 53 - 129 |
| Tetrachloro-m-xylene (Surr)   | 85        |           | 58 - 125 |

Lab Sample ID: LCSD 180-483609/3-A  
Matrix: Water  
Analysis Batch: 483671

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 483609

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| PCB-1016 | 1.00        | 0.812       |                | ug/L |   | 81   | 47 - 119    | 2   | 35        |
| PCB-1260 | 1.00        | 0.720       |                | ug/L |   | 72   | 43 - 116    | 2   | 35        |

|                               | LCSD      | LCSD      |          |
|-------------------------------|-----------|-----------|----------|
| Surrogate                     | %Recovery | Qualifier | Limits   |
| DCB Decachlorobiphenyl (Surr) | 89        |           | 53 - 129 |
| Tetrachloro-m-xylene (Surr)   | 89        |           | 58 - 125 |

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

**Client Sample ID: 110124-MH-1A**

**Date Collected: 11/01/24 12:56**

**Date Received: 11/02/24 11:00**

**Lab Sample ID: 500-259482-1**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 483542       | EBA     | EET PIT | 11/04/24 12:22       |

**Client Sample ID: 110124-MH-1A**

**Date Collected: 11/01/24 12:56**

**Date Received: 11/02/24 11:00**

**Lab Sample ID: 500-259482-1**

**Matrix: Solid**

**Percent Solids: 83.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 3541         |     |                 | 483539       | DVC     | EET PIT | 11/04/24 09:50       |
| Total/NA  | Analysis   | EPA 8082A    |     | 2               | 483763       | JMO     | EET PIT | 11/07/24 20:17       |

**Client Sample ID: 110124-Outfall-S**

**Date Collected: 11/01/24 13:30**

**Date Received: 11/02/24 11:00**

**Lab Sample ID: 500-259482-2**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 483542       | EBA     | EET PIT | 11/04/24 12:22       |

**Client Sample ID: 110124-Outfall-S**

**Date Collected: 11/01/24 13:30**

**Date Received: 11/02/24 11:00**

**Lab Sample ID: 500-259482-2**

**Matrix: Solid**

**Percent Solids: 64.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 3541         |     |                 | 483539       | DVC     | EET PIT | 11/04/24 09:50       |
| Total/NA  | Analysis   | EPA 8082A    |     | 2               | 483976       | JMO     | EET PIT | 11/11/24 20:30       |

**Client Sample ID: 110124-Outfall-W**

**Date Collected: 11/01/24 13:28**

**Date Received: 11/02/24 11:00**

**Lab Sample ID: 500-259482-3**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 3510C        |     |                 | 483609       | KAV     | EET PIT | 11/05/24 07:54       |
| Total/NA  | Analysis   | EPA 8082A    |     | 1               | 483671       | JMO     | EET PIT | 11/06/24 23:05       |

## Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Eurofins Chicago



Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: MKC Rain Garden

Job ID: 500-259482-1

Laboratory: Eurofins Pittsburgh

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 998027800             | 08-31-25        |

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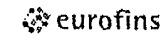
## Eurofins Pittsburgh

301 Alpha Drive RIDC Park

Pittsburgh PA 15238

Phone 412-963-7058 Fax: 412-963-2468

## Chain of Custody Record



Environmental Testing

|                                                                                                                                                                                                                        |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|--|-----------------------------------|--|-----------------------------------|--|--|--|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Client Information</b>                                                                                                                                                                                              |                  | Sampler: <u>Andrew Stehn</u>                                                 |                    | Lab PM: <u>Fredrick, Sandie</u>                                                                       |                                                 | Carrier Tracking No(s):                   |  | COC No: <u>500-130348-48015 1</u> |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Client Contact: <u>Andy Stehn</u>                                                                                                                                                                                      |                  | Phone: <u>608-807-8112</u>                                                   |                    | E-Mail: <u>Sandra.Fredrick@et.eurofinsus.com</u>                                                      |                                                 | State of Origin: <u>WI</u>                |  | Page: <u>Page 1 of 1</u>          |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Company: <u>TRC Environmental Corporation</u>                                                                                                                                                                          |                  | PWSID:                                                                       |                    | Analysis Requested                                                                                    |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: <u>999 Fourler Drive Suite 101</u>                                                                                                                                                                            |                  | Due Date Requested: <u>Standard Turn</u>                                     |                    | <br>500-259482 COC |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City: <u>Madison</u>                                                                                                                                                                                                   |                  | TAT Requested (days): <u>Standard</u>                                        |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| State Zip: <u>WI 53717</u>                                                                                                                                                                                             |                  | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone: <u>608-807-8112</u>                                                                                                                                                                                             |                  | PO #: <u>200333</u>                                                          |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Email: <u>AStehn@trccompanies.com</u>                                                                                                                                                                                  |                  | WO #:                                                                        |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: <u>MKC Rain Garden</u>                                                                                                                                                                                   |                  | Project #: <u>50021412</u>                                                   |                    | Other:                                                                                                |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Site: <u>Madison Wpp</u>                                                                                                                                                                                               |                  | SSOW#:                                                                       |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Sample Identification</b>                                                                                                                                                                                           |                  | <b>Sample Date</b>                                                           | <b>Sample Time</b> | <b>Sample Type</b><br>(C=Comp, G=grab)                                                                | <b>Matrix</b><br>(W=water, S=solid, O=waste/oi) | <b>Field Filtered Samples (Yes or No)</b> |  |                                   |  | <b>Total Number of Containers</b> |  |  |  | <b>Special Instructions/Note:</b> |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                        |                  |                                                                              |                    |                                                                                                       |                                                 | 8082A_LL PCB                              |  |                                   |  | 8082A_LL PCB-LL                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                        |                  |                                                                              |                    |                                                                                                       |                                                 | Preservation Code                         |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                      | 110124-MH-1A     | 11/01/24                                                                     | 1256               | G                                                                                                     | Solid                                           |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                      | 110124-outfall-S | ↓                                                                            | 1330               | G                                                                                                     | Solid                                           |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                      | 110124-outfall-W | ↓                                                                            | 1328               | G                                                                                                     | Water                                           |                                           |  |                                   |  |                                   |  |  |  |                                   |                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                  |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deliverable Requested I II III IV Other (specify)                                                                                                                                                                      |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | Special Instructions/QC Requirements                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Empty Kit Relinquished by                                                                                                                                                                                              |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | Date                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Time                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Method of Shipment:          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: <u>Andrew Stehn</u>                                                                                                                                                                                   |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | Date/Time: <u>11/01/24 1645</u>                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Company                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Received by: <u>Fredrick</u> |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Date/Time: <u>11/01/24/</u>    |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Company                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                       |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | Date/Time:                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Company                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Received by: <u>EU</u>       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Date/Time: <u>11/2/24 1100</u> |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Company: <u>EPH/ME</u> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                       |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | Date/Time:                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Company                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Received by:                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Date/Time:                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Company                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                         |                  |                                                                              |                    |                                                                                                       |                                                 |                                           |  |                                   |  |                                   |  |  |  |                                   | Custody Seal No.                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cooler Temperature(s) °C and Other Remarks: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

ANDY STEIN  
TRC ENVIRONMENTAL CORPORATION  
999 FOURIER DRIVE  
SUITE 101  
MADISON, WI 53717  
UNITED STATES US

ACTWGT 1  
CAD 0781

TO **SAMPLE RECEIPT**  
**EUROFINS**  
**301 ALPHA DRIVE**

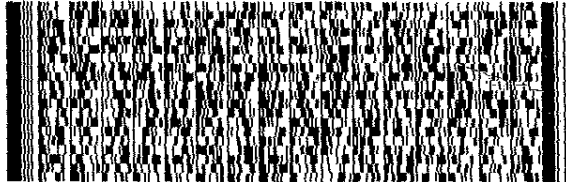
**PITTSBURGH PA 15238**

(262) 202-5966

REF:

DEPT

RMA. III 5988 001



FedEx

SATURDAY 12:00P

TRK# 4221 9521 9470  
0221

PRIORITY OVERNIGHT

**X0 AGCA**

15238

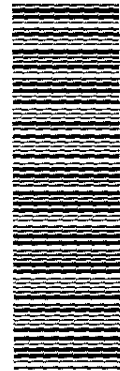
PA-US PIT

Uncorrected temp 3.9 25 °C  
Thermometer ID  
CF to 1 Initials PM  
PT-WI-SR-001 effective 11/8/18



5BCJ62D2B1C6C4

RT 639  
FZ  
12:00 A  
9470  
11 02



500-259482 Waybill

Pat # 156237-435-PRD82 EXP 10/25



ଶୁଣ ଚାଲୁଛନ୍ତି ଧୂଳି ଓ

[illegible]

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-259482-1

**Login Number: 259482**

**List Number: 2**

**Creator: Mullins, Plumm A**

**List Source: Eurofins Pittsburgh**

**List Creation: 11/02/24 01:29 PM**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| 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   |         |
| 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?                                              | N/A    |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |