



Operation, Monitoring, and Maintenance Annual Report

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

March 2025

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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.

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.

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 (BRRS #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.

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.
- TRC Environmental Corporation. 2020. Operations, Monitoring, and Maintenance Semi-annual Report – January 1, 2019 – December 31, 2019, Groundwater, Soil Vapor, and Treatment System, Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. April 7, 2020.
- TRC Environmental Corporation. 2023. Operations, Monitoring, and Maintenance Semi -annual Report - January 1, 2023 - June 30, 2023, Groundwater and Soil Vapor Extraction Treatment Systems & Rain Garden Madison-Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin. August 10, 2023.
- 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) ⁽¹⁾	Average Discharge Flow Rate ^{(2),(5)} (gpd)	Average Discharge Flow Rate ^{(2),(5),(6)} (gpm)	Influent Sample Results ⁽³⁾	Effluent Sample Results ⁽³⁾	Cumulative VOCs Removed ^{(1),(4)} (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	

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) ⁽¹⁾	Average Discharge Flow Rate ^{(2),(5)} (gpd)	Average Discharge Flow Rate ^{(2),(5),(6)} (gpm)	Influent Sample Results ⁽³⁾	Effluent Sample Results ⁽³⁾	Cumulative VOCs Removed ^{(1),(4)} (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:

⁽¹⁾ 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).

⁽²⁾ The average discharge flow rate calculations noted take into account system down time and are based on volume of groundwater extracted and time elapsed between monitoring events.

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

⁽⁴⁾ Compliance sampling starting in 2019 is completed on a quarterly basis, prior to 2019 sampling was completed on a monthly basis. For weeks where samples were not collected the previously obtained sampling data was used for cumulative VOCs calculations.

⁽⁵⁾ The extraction and transfer pumps for the GETS contain variable speed frequency drives that fluctuate based on liquid levels in the equalization and mixing tank along with the air stripper liquid level. At times the flow will fluctuate and readings collected over a few days time may reflect bias results for the overall system operation.

⁽⁶⁾ The soil vapor extraction system was 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 ⁽³⁾	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 ⁽¹⁾	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 ⁽²⁾	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:

⁽¹⁾ 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.

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

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

Table 3: Combined SVE and GETS Gas Analytical Data - 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	--	--	--	--	52	58
Vinyl Chloride	<4.0	0.17 J	<4.6	2.1	<11	<11
1,1-Dichloroethene	<4.0	<0.20	<4.6	<1.1	<11	<11
cis-1,2-Dichloroethene	420	16	460	130	320	750
Benzene	<4.0	<0.20	<4.6	<1.1	<11	<11
Trichloroethene	160	1.4	260	28	220	310
Toluene	<4.0	<0.20	<9.2	<2.3	<11	<11
Tetrachloroethene	400	4.6	1100	71	1500	3000
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

Date⁽³⁾	Total VOC Concentration⁽¹⁾⁽²⁾	System Flow Rate⁽⁴⁾	Emission Rate⁽⁵⁾
	µg/m³	CFM	lb/hr
1/18/2016	3500	389.4	5.2E-03
2/8/2016	3300	362.2	4.5E-03
3/7/2016	3100	364.1	4.2E-03
4/6/2016	3700	363.8	5.0E-03
5/4/2016	3300	361.0	4.5E-03
6/7/2016	3500	354.9	4.7E-03
7/20/2016	9900	359.6	1.3E-02
8/8/2016	6400	354.1	8.5E-03
9/9/2016	7100	346.9	9.2E-03
10/10/2016	3500	361.1	4.7E-03
11/7/2016	4900	357.8	6.5E-03
12/7/2016	4600	366.9	6.3E-03
1/17/2017	6000	376.7	8.4E-03
2/8/2017	5800	375.3	8.2E-03
3/7/2017	5400	355.8	7.2E-03
4/6/2017	5400	352.6	7.1E-03
5/5/2017	5800	353.8	7.7E-03
6/7/2017	3900	358.1	5.3E-03
7/11/2017	7700	346.0	9.9E-03
8/7/2017	8100	355.8	1.1E-02
9/14/2017	12200	368.0	1.7E-02
10/5/2017	10300	367.5	1.4E-02
11/30/2017	5000	375.2	7.1E-03
12/8/2017	10600	384.0	1.5E-02
1/8/2018	17400	390.1	2.5E-02
2/6/2018	4600	395.0	6.8E-03
3/8/2018	2900	381.9	4.1E-03
4/3/2018	7000	367.9	9.6E-03
5/8/2018	11700	349.6	1.5E-02
6/6/2018	5500	347.8	7.2E-03
7/9/2018	8300	345.2	1.1E-02
8/20/2018	6400	352.2	8.5E-03
9/4/2018	17200	336.8	2.2E-02
10/8/2018	9700	355.9	1.3E-02
11/5/2018	3300	194.6	2.4E-03
12/10/2018	15200	230.1	1.3E-02
6/7/2019	3700	188.5	2.6E-03
12/9/2019	6400	183.9	4.4E-03
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

Date⁽³⁾	Total VOC Concentration⁽¹⁾⁽²⁾	System Flow Rate⁽⁴⁾	Emission Rate⁽⁵⁾
	µg/m³	CFM	lb/hr
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
Average Emission Rate⁽⁶⁾ =			8.4E-03
NR 406 Emission Threshold =			5.7

Notes:

VOCs = volatile organic compounds

SVE = soil vapor extraction

GETS = groundwater extraction and treatment system.

CFM = cubic feet per minute

µg/m³ = micrograms per cubic meters

lb/hr = pounds per hour

Updated by: M. Holicky 1/14/2024

Checked by: M. Wagler 1/27/2025

Footnotes:

- ⁽¹⁾ The total VOC concentration noted between January 2016 and October 2018, represents results from the effluent sample collected post treatment of the SVE and GETS operations. In October 2018, the SVE system was shutdown and the total VOC concentration reported following is representative of the effluent results from only the GETS operation. Samples were analyzed using EPA Method TO-15.
- ⁽²⁾ Total VOC concentrations noted were calculated based on analytes reported above and below the method reporting limit. For detected analytes, the reported concentrations were used. For all other analytes detected below the method reporting limit, half of the reporting limit was used.
- ⁽³⁾ The sampling frequency was adjusted in 2019 from monthly to semi-annually.
- ⁽⁴⁾ Between July 2015 and October 2018 the system flow rate represented the combined air flow rate from both the GETS and SVE system and was measured using flow meter FIT-201 which measures total flow from the activated carbon system. The SVE was shutdown in October 2018.
- ⁽⁵⁾ Emission rates were calculated based on the product of the total VOC concentration and the system flow rate at the time of monitoring.
- ⁽⁶⁾ Average Emission Rate is an average based on samples collected between January 2016 and June 2024.

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

Well/ Point ID	Bedrock Unit	Screened Interval (ft bgs)	April & October Gauging	April VOC Sampling	April PCB Sampling	October VOC Sampling	Pump Type
GWE-1*	Lone Rock/ Wonewoc	55-175	x	x		x	NA
MW-1	Unconsolidated	14-24	x			x	Peristaltic
MW-2S	Unconsolidated	19-29	x				NA
MW-2D	Upper Lone Rock	39-44	x	x		x	Peristaltic
MW-3S	Unconsolidated	19-29	x			x	Peristaltic
MW-3D	Upper Lone Rock	48-53	x	x		x	Peristaltic
MW-3D2	Lower Lone Rock	76-81	x	x		x	Peristaltic
MW-3D3	Lower Wonewoc	214-224	x			x	GeoSub
MW-4S	Unconsolidated/ Upper Lone Rock	35-50	x				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/ 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

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

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

Well/ Boring	Lithology	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Date	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)
MW-01	Unconsolidated	14-24	861.71	861.08	10/21/2024	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

Well/ Boring	Lithology	Screen Interval (feet bls)	Ground Elevation (feet amsl)	Top of Casing Elevation (feet amsl)	Date	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)
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 ¹	MW-1	MW-2D	MW-2D	MW-2D	MW-2D ³	MW-3S	MW-3S ³	MW-3S	MW-3D	MW-3D	MW-3D ³	MW-3D	MW-3D ¹	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														

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 ¹	MW-5S	MW-5D	MW-5D ¹	MW-5D	MW-5D	MW-5D2	MW-5D2	MW-5D2 ¹	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	< 0.37	<	

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 ³	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	< 0.40	< 0.18	< 0.40	< 0.40	< 0.89 UJ	< 0.40	< 0.35										

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-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)	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	10/9/2023	10/21/2024	10/10/2023	10/22/2024	10/10/2023	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		
PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MP-13	MP-13	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		
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	< 0.30	< 0.67	< 0.30
Ethylbenzene	140	700	< 0.18	< 0.29	< 0.18	< 0.14	< 0.18	< 0.18	< 0.14	< 0.37	< 0.72	< 0.18	< 0.29	< 0.18	< 1.4	< 0.18	< 1.4	< 0.37	< 3.6	< 0.18	< 0.14	< 0.18	< 0.14
Isopropylbenzene	NE	NE	< 0.39 J-	< 0.31	< 0.39 J-	< 0.16	< 0.39 J-	< 0.39	< 0.16	< 0.77 J-	< 0.79	< 0.39 J-	< 0.31	< 0.39 J-	< 1.6	< 0.39 J-	< 1.6	< 0.77 J-	< 3.9	< 0.39 J-	< 0.16	< 0.39 J-	< 0.16
m,p-Xylene	400	2000	< 0.18	< 0.71	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 1.8	< 0.18	< 0.71	< 0.18	< 3.6	< 0.18	< 3.6	< 0.36	< 8.9	< 0.18	< 0.36	< 0.18	< 0.36
Methyl tert-butyl ether	12	60	< 0.39	< 0.50	< 0.39	< 0.25	< 0.39	< 0.39	< 0.25	< 0.79	< 1.3	< 0.39	< 0.50	< 0.39	< 2.5	< 0.39	< 2.5	< 0.79	< 6.3	< 0.39	< 0.25	< 0.39	< 0.25
Methylene chloride	0.5	5	< 1.6	< 1.9	< 1.6	< 0.94	< 1.6	< 1.6	< 0.94	< 3.3	< 4.7	< 1.6	< 1.9	< 1.6	< 9.4	< 1.6	< 9.4	< 3.3	< 23	< 1.6	< 0.94	< 1.6	< 0.94
Naphthalene	10	100	< 0.34	< 2.0	< 0.34	< 0.99	< 0.34	< 0.34	< 0.99	< 0.67	< 5.0	< 0.34	< 2.0	< 0.34	< 9.9	< 0.34	< 9.9	< 0.67	< 25	< 0.34	< 0.99	< 0.34	< 0.99
n-Butylbenzene	NE	NE	< 0.39	< 0.47	< 0.39	< 0.23	< 0.39	< 0.39	< 0.23	< 0.78	< 1.2	< 0.39	< 0.47	< 0.39	< 2.3	< 0.39	< 2.3	< 0.78	< 5.8	< 0.39	< 0.23	< 0.39	< 0.23
n-Hexane	120	600	< 0.49 UJ	< 0.33	< 0.49 UJ	< 0.16	< 0.49 UJ	< 0.49	< 0.16	< 0.98 UJ	< 0.82	< 0.49 UJ	< 0.33	< 0.49 UJ	< 1.6	< 0.49 UJ	< 1.6	< 0.98 UJ	< 4.1	< 0.49 UJ	< 0.16	< 0.49 UJ	< 0.16
n-Propylbenzene	NE	NE	< 0.41	< 0.37	< 0.41	< 0.18	< 0.41	< 0.41	< 0.18	< 0.83	< 0.92	< 0.41	< 0.37	< 0.41	< 1.8	< 0.41	< 1.8	< 0.83	< 4.6	< 0.41	< 0.18	< 0.41	< 0.18
o-Xylene	400	2000	< 0.22	< 0.23	< 0.22	< 0.11	< 0.22	< 0.22	< 0.11	< 0.44	< 0.57	< 0.22	< 0.23	< 0.22	< 1.1	< 0.22	< 1.1	< 0.44	< 2.9	< 0.22	< 0.11	< 0.22	< 0.11
p-Isopropyltoluene	NE	NE	< 0.36	< 0.37	< 0.36	< 0.19	< 0.36	< 0.36	< 0.19	< 0.72	< 0.93	< 0.36	< 0.37	< 0.36	< 1.9	< 0.36	< 1.9	< 0.72	< 4.6	< 0.36	< 0.19	< 0.36	< 0.19
sec-Butylbenzene	NE	NE	< 0.40	< 0.41	< 0.40	< 0.20	< 0.40	< 0.40	< 0.20	< 0.80	< 1.0	< 0.40	< 0.41	< 0.40	< 2.0	< 0.40	< 2.0	< 0.80	< 5.1	< 0.40	< 0.20	< 0.40	< 0.20
Styrene	10	100	< 0.39	< 0.25	< 0.39	< 0.13	< 0.39	< 0.39	< 0.13	< 0.77	< 0.63	< 0.39	< 0.25	< 0.39	< 1.3	< 0.39							

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 ³	MW-27D2	MW-27D2	MW-28	MW-28	MW-28 ³	
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	
cis-1,2-Dichloroethene	7	70	1.7	0.95 J	1.5	< 0.41	< 0.32	8	3.9	6.7 J	< 0.41	< 0.32	< 0.41	< 0.41	< 0.32	< 0.41	< 0.41	< 0.32	< 0.32	3.7	2.9	< 0.41	< 3.2	< 1.6	
Di-isopropyl ether	NE	NE	< 0.28	< 0.28	< 1.1	< 0.28	< 1.1	< 0.28	< 0.28	< 11	< 0.28	< 1.1	< 0.28	< 0.28	< 1.1	< 0.28	< 0.28	< 1.1	< 1.1	< 0.28	< 1.1	< 0.28	< 11	< 5.5	
Dichlorodifluoromethane	200	1000	< 0.67	< 0.67	< 0.30	< 0.67	< 0.30	< 0.67	< 0.67	< 3.0	< 0.67	< 0.30	< 0.67	< 0.67	< 0.30	< 0.67	< 0.67	< 0.30	< 0.30	< 0.67	< 0.30	< 0.67	< 3.0	< 1.5	
Ethylbenzene	140	700	< 0.18	< 0.18	< 0.14	< 0.18	< 0.14	< 0.18	< 0.18	< 1.4	< 0.18	< 0.14	< 0.18	< 0.18	< 0.14	< 0.18	< 0.18	< 0.14	< 0.14	< 0.18	< 0.14	< 0.18	< 1.4	< 0.72	
Isopropylbenzene	NE	NE	< 0.39 J-	< 0.39	< 0.16	< 0.39 J-	< 0.16	< 0.39 J-	< 0.39	< 1.6	< 0.39 J-	< 0.16	< 0.39 J-	< 0.39	< 0.16	< 0.39 J-	< 0.39	< 0.16	< 0.16	< 0.39 J-	< 0.16	< 0.39	< 1.6	< 0.79	
m,p-Xylene	400	2000	< 0.18	< 0.18	< 0.36	< 0.18	< 0.36	< 0.18	< 0.18	< 3.6	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.18	< 0.18	< 0.36	< 0.36	< 0.18	< 0.36	< 0.18	< 3.6	< 1.8	
Methyl tert-butyl ether	12	60	< 0.39	< 0.39	< 0.25	< 0.39	< 0.25	< 0.39	< 0.39	< 2.5	< 0.39	< 0.25	< 0.39	< 0.39	< 0.25	< 0.39	< 0.39	< 0.25	< 0.25	< 0.39	< 0.25	< 0.39	< 2.5	< 1.3	
Methylene chloride	0.5	5	< 1.6	< 1.6	< 0.94	< 1.6	< 0.94	< 2.4 U	< 1.6	< 9.4	< 2.5 U	< 0.94	< 2.3 U	< 1.6	< 0.94	< 2.4 U	< 1.6	< 0.94	< 0.94	< 2.3 U	< 0.94	< 1.6	< 9.4	< 4.7	
Naphthalene	10	100	< 0.34	< 0.34	< 0.99	< 0.34	< 0.99	< 0.34	< 0.34	< 9.9	< 0.34	< 0.99	< 0.34	< 0.34	< 0.99	< 0.34	< 0.34	< 0.99	< 0.99	< 0.34	< 0.99	< 0.34	< 9.9	< 5.0	
n-Butylbenzene	NE	NE	< 0.39	< 0.39	< 0.23	< 0.39	< 0.23	< 0.39	< 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	
n-Hexane	120	600	< 0.49 UJ	< 0.49	< 0.16	< 0.49 UJ	< 0.16	< 0.49 UJ	< 0.49	< 1.6	< 0.49 UJ	< 0.16	< 0.49 UJ	< 0.49	< 0.16	< 0.49 UJ	< 0.49	< 0.16	< 0.16	< 0.49 UJ	< 0.16	< 0.49	< 1.6	< 0.82	
n-Propylbenzene	NE	NE	< 0.41	< 0.41	< 0.18	< 0.41	< 0.18	< 0.41	< 0.41	< 1.8	< 0.41	< 0.18	< 0.41	< 0.41	< 0.18	< 0.41	< 0.41	< 0.18	< 0.18	< 0.41	< 0.18	< 0.41	< 1.8	< 0.92	
o-Xylene	400	2000	< 0.22	< 0.22	< 0.11	< 0.22	< 0.11	< 0.22	< 0.22	< 1.1	< 0.22	< 0.11	< 0.22	< 0.22	< 0.11	< 0.22	< 0.22	< 0.11	< 0.11	< 0.22	< 0.11	< 0.22	< 1.1	< 0.57	
p-Isopropyltoluene	NE	NE	< 0.36	< 0.36	< 0.19	< 0.36	< 0.19	< 0.36	< 0.36	< 1.9	< 0.36	< 0.19	< 0.36	< 0.36	< 0.19	&									

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 ⁽²⁾	NR 720 RCL Industrial Direct Contact ⁽¹⁾	MH-1A				Outfall Sample ⁽³⁾			
			MH-1A (041923)	MH-1A (10092023)	050824- MH-1A	110124- MH-1A	Outfall- 041923-S	Outfall - (10092023)	050824- OUTFALL	110124- 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 ^{^c}
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:

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

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

⁽³⁾ 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.

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

⁽⁵⁾ 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 Enforcement Standard ⁽¹⁾	NR 140 Preventive Action Limit ⁽¹⁾	Outfall Sample ⁽²⁾			
				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:

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

⁽²⁾ 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/ Point ID	Bedrock Unit	Screened Interval (ft bgs)	April & October Gauging	April VOC Sampling	April PCB Sampling	October VOC Sampling	Pump Type
GWE-1*	Lone Rock/ Wonewoc	55-175	x	x		x	NA
MW-1	Unconsolidated	14-24	x			x	Peristaltic
MW-2S	Unconsolidated	19-29	x				NA
MW-2D	Upper Lone Rock	39-44	x	x		x	Peristaltic
MW-3S	Unconsolidated	19-29	x			x	Peristaltic
MW-3D	Upper Lone Rock	48-53	x	x		x	Peristaltic
MW-3D2	Lower Lone Rock	76-81	x	x		x	Peristaltic
MW-3D3	Lower Wonewoc	214-224	x			x	GeoSub
MW-4S	Unconsolidated/ Upper Lone Rock	35-50	x				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/ 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

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

Notes:

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

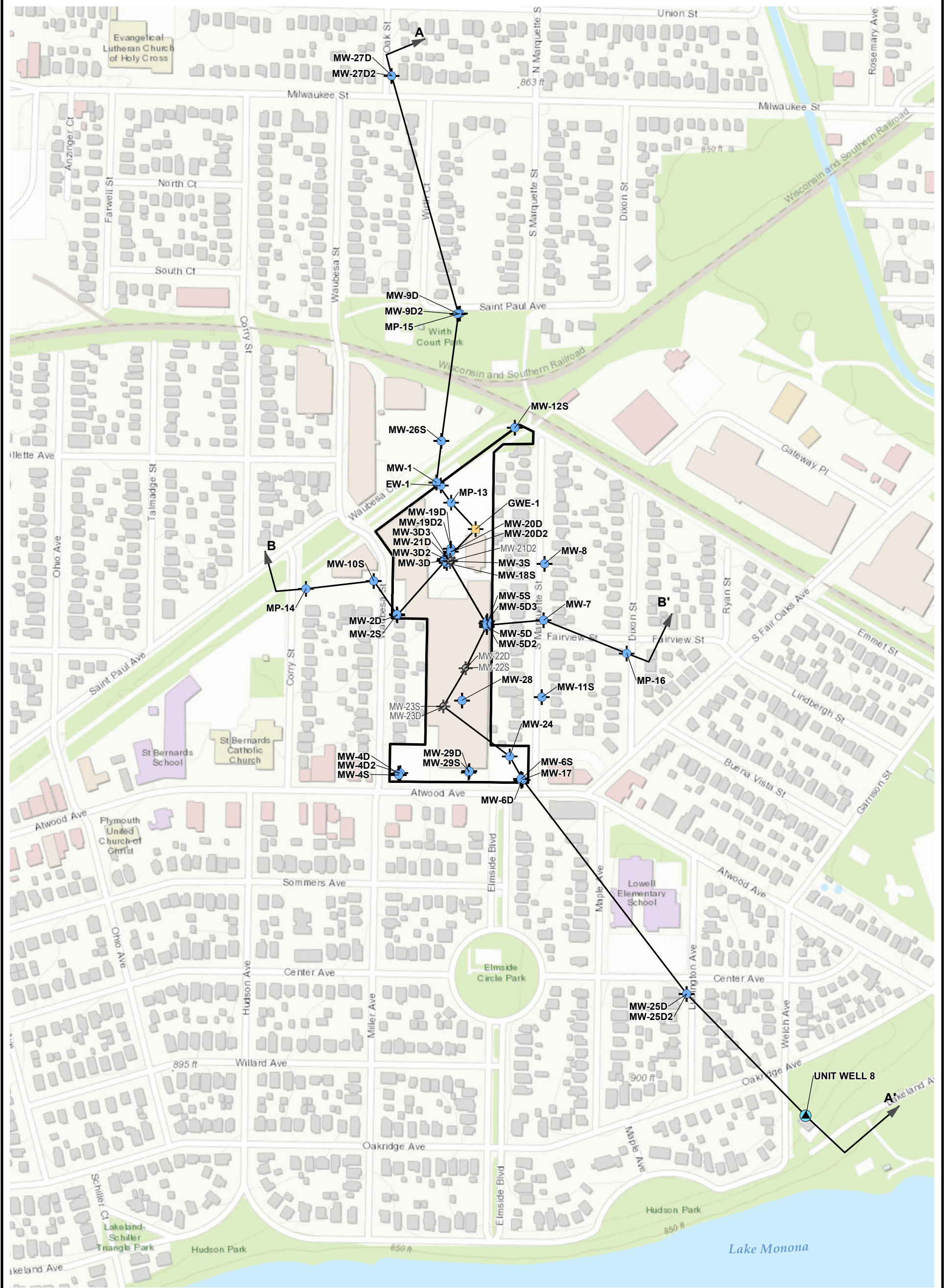
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

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

 SITE PROPERTY BOUNDARY

 MUNICIPAL SUPPLY WELL

 999 Fourier Drive, Suite 101 Madison, WI 53717 Phone: 608.826.3600	PROJECT:	MADISON-KIPP CORPORATION 201 WAUBESA STREET MADISON, WISCONSIN	DRAWN BY:	A. FOJTIK
	TITLE:	SITE LOCATION MAP	CHECKED BY:	M. HOLICKY
			APPROVED BY:	S. SELLWOOD
			DATE:	FEBRUARY 2025
			PROJ. NO.:	638916
			FILE:	638916-001.mxd
	FIGURE 1			



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

0

300

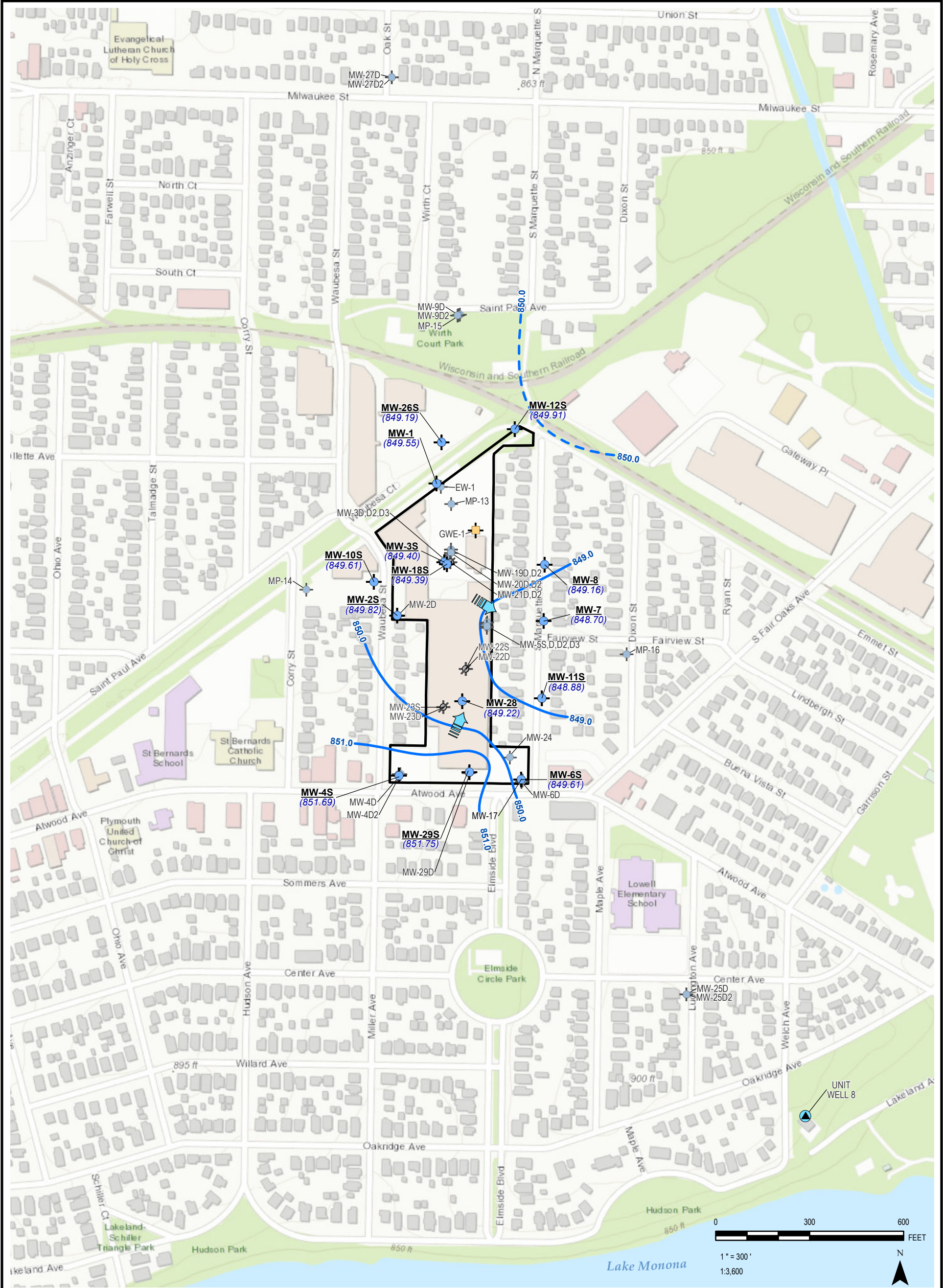
600

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

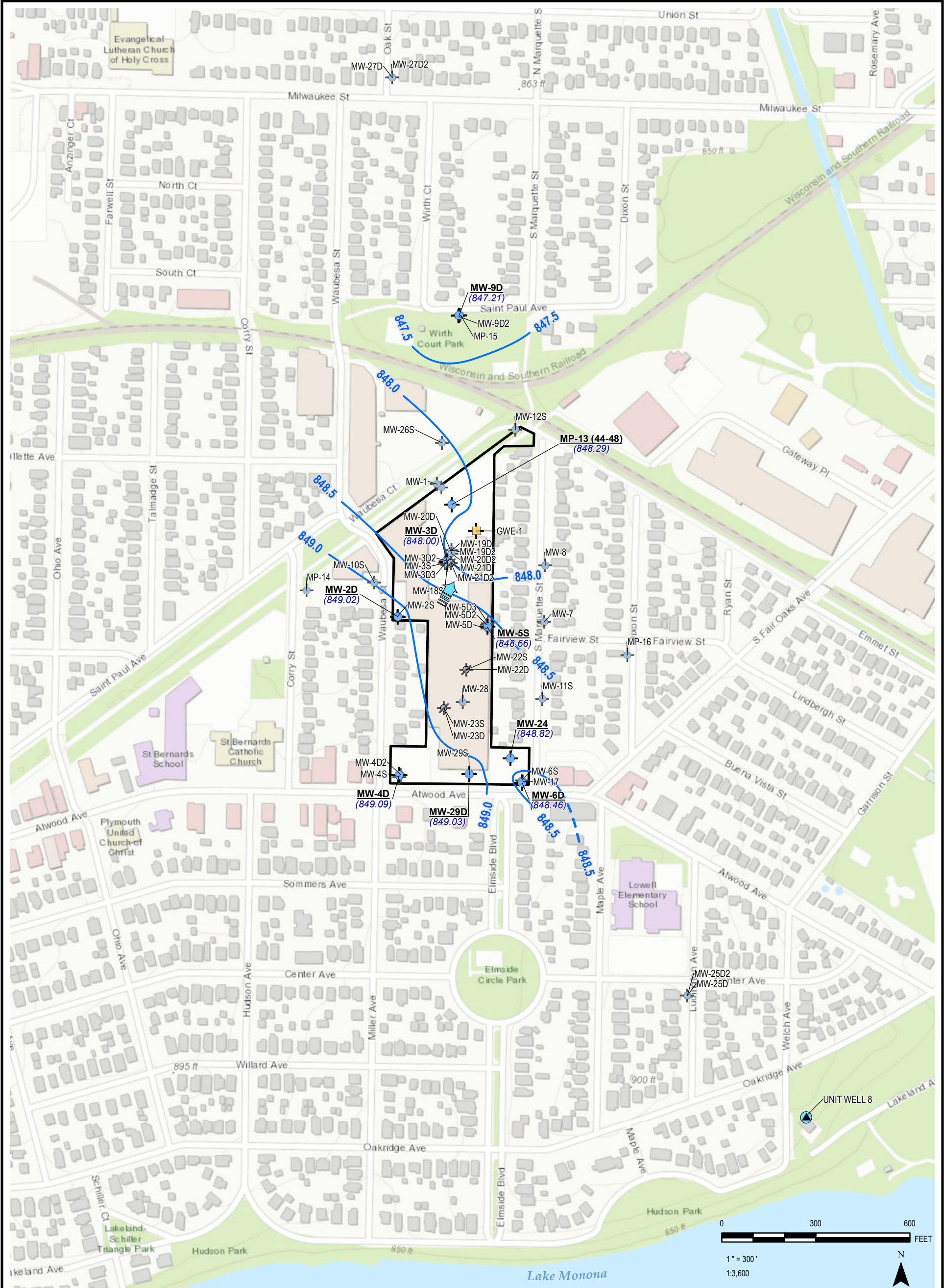
PROJ. NO.:

638916

FILE:

638916-003.mxd

FIGURE 3



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

PROJECT:

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:

UPPER LONE ROCK FORMATION
POTENTIOMETRIC SURFACE
OCTOBER 2024

DRAWN BY:

A. FOJTIK

CHECKED BY:

M. HOLICKY

APPROVED BY:

S. SELLWOOD

DATE:

FEBRUARY 2025

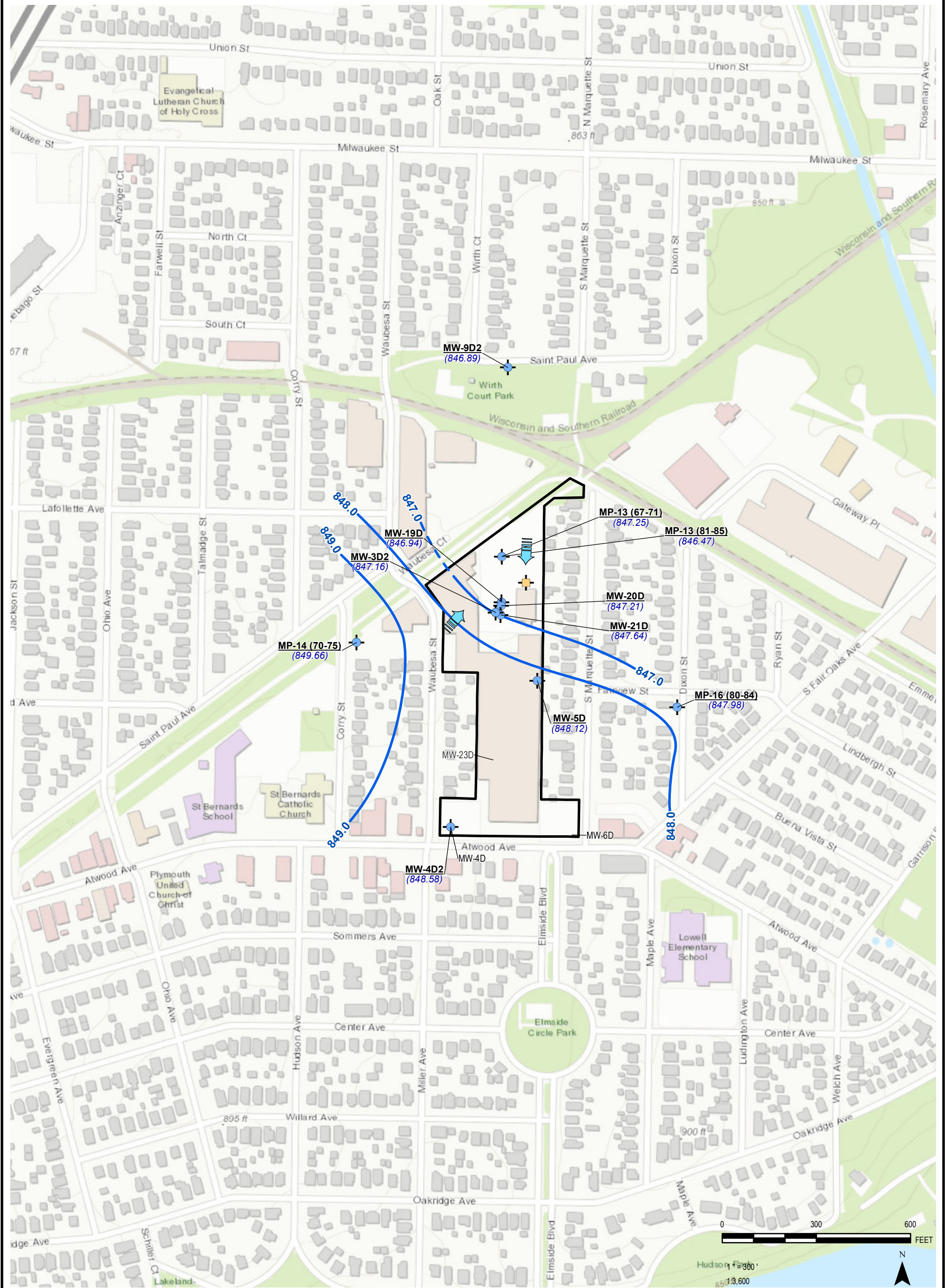
PROJ. NO.:

638916

FILE:

638916-004.mxd

FIGURE 4



LEGEND

SITE PROPERTY

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

GROUNDWATER FLOW

ABANDONED MONITORING

MONITORING WELL

GROUNDWATER EXTRACTION

MUNICIPAL SUPPLY WELL

PROJECT:

TITLE:

MADISON-KIPP CORPORATION

201 WAUBESA STREET

MADISON, WISCONSIN

LOWER LONE ROCK FORMATION

POTENTIOMETRIC SURFACE

OCTOBER 2024

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE:

PROJ. NO.:

FILE:

A. FOJTIK

M. HOLICKY

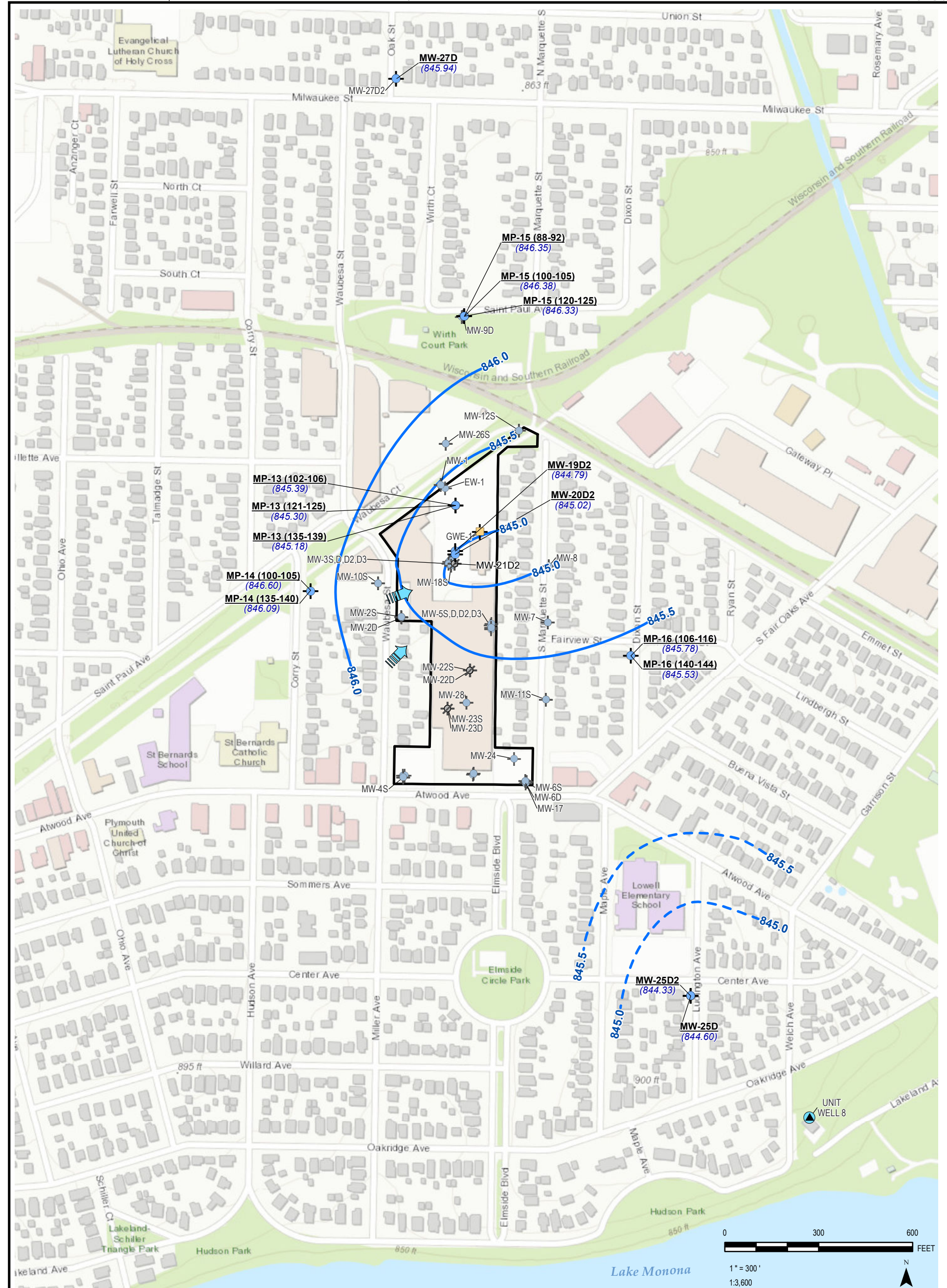
S. SELLWOOD

FEBRUARY 2025

638916

638916-005.mxd

FIGURE 5



LEGEND

-  SITE PROPERTY
 GROUNDWATER ELEVATION
 CONTOUR (1' FT INTERVAL, DASHED
 WHERE INFERRED)
 GROUNDWATER FLOW

-  ABANDONED MONITORING
 MONITORING
 GROUNDWATER EXTRACTION
 MUNICIPAL SUPPLY

NOTES

1. BASE MAP FROM ESRI, "WORLD TOPOGRAPHIC MAP", WEB BASEMAP SERVICE LAYER
2. THE UPPER WONEWOC FORMATION IS INTERPRETED TO BE FROM APPROXIMATELY 100-155 FEET BELOW GROUND SURFACE (770 -715 FEET ABOVE MEAN SEA LEVEL).
3. WELLS SHOWN IN GRAY ARE NOT PART OF THIS GROUNDWATER UNIT.
4. GROUNDWATER ELEVATIONS MEASURED OCTOBER 2024.



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

PROJECT:

MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE:

**UPPER WONEWOC FORMATION
POTENTIOMETRIC SURFACE
OCTOBER 2024**

DRAWN BY: A. FOJTIK

CHECKED BY: M. HOLICKY

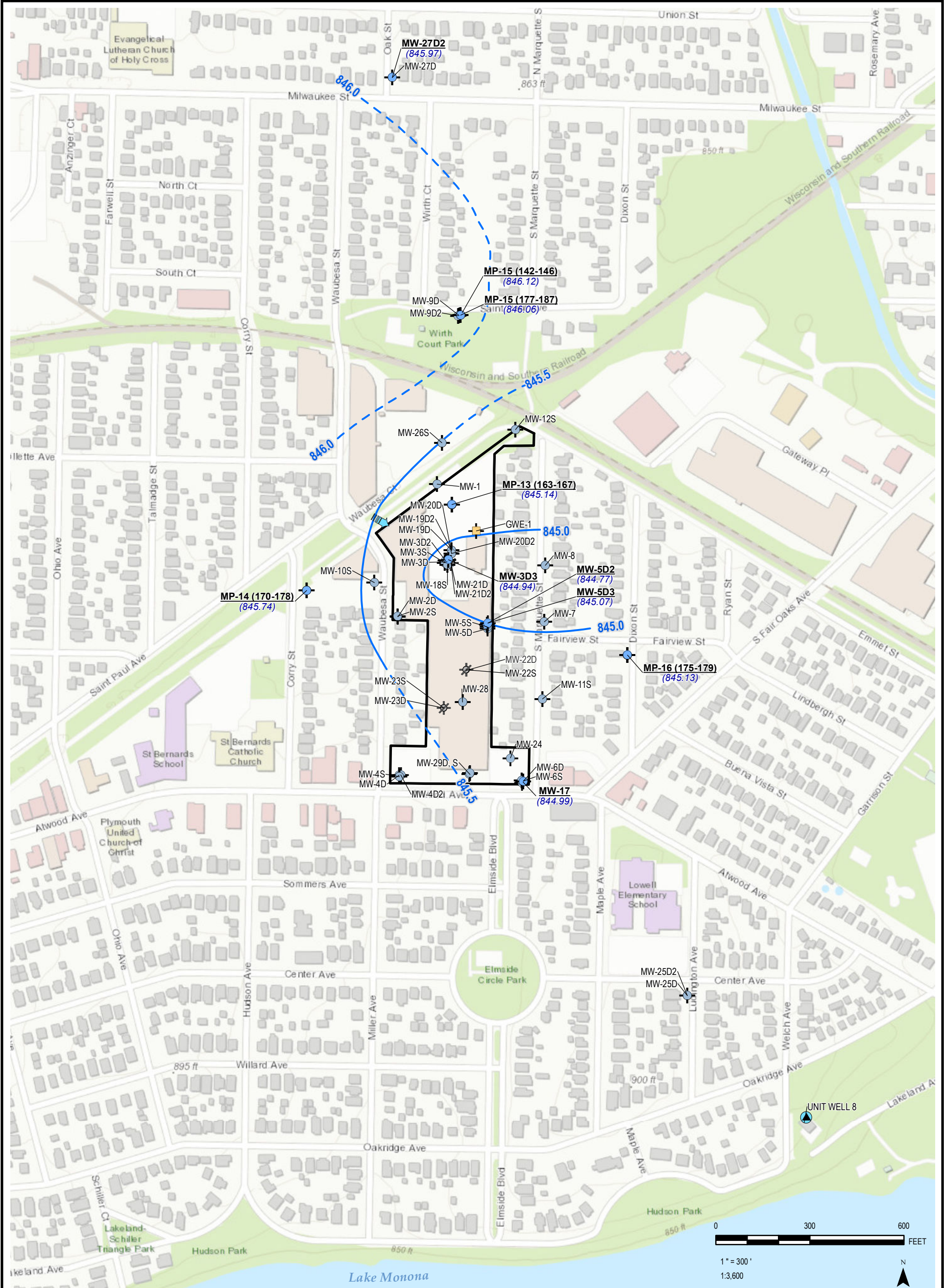
APPROVED BY: S.SELLWOOD

DATE: FEBRUARY 2025

PROJ. NO.:	638916

FILE: 638916-006.mxd

FIGURE 6



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

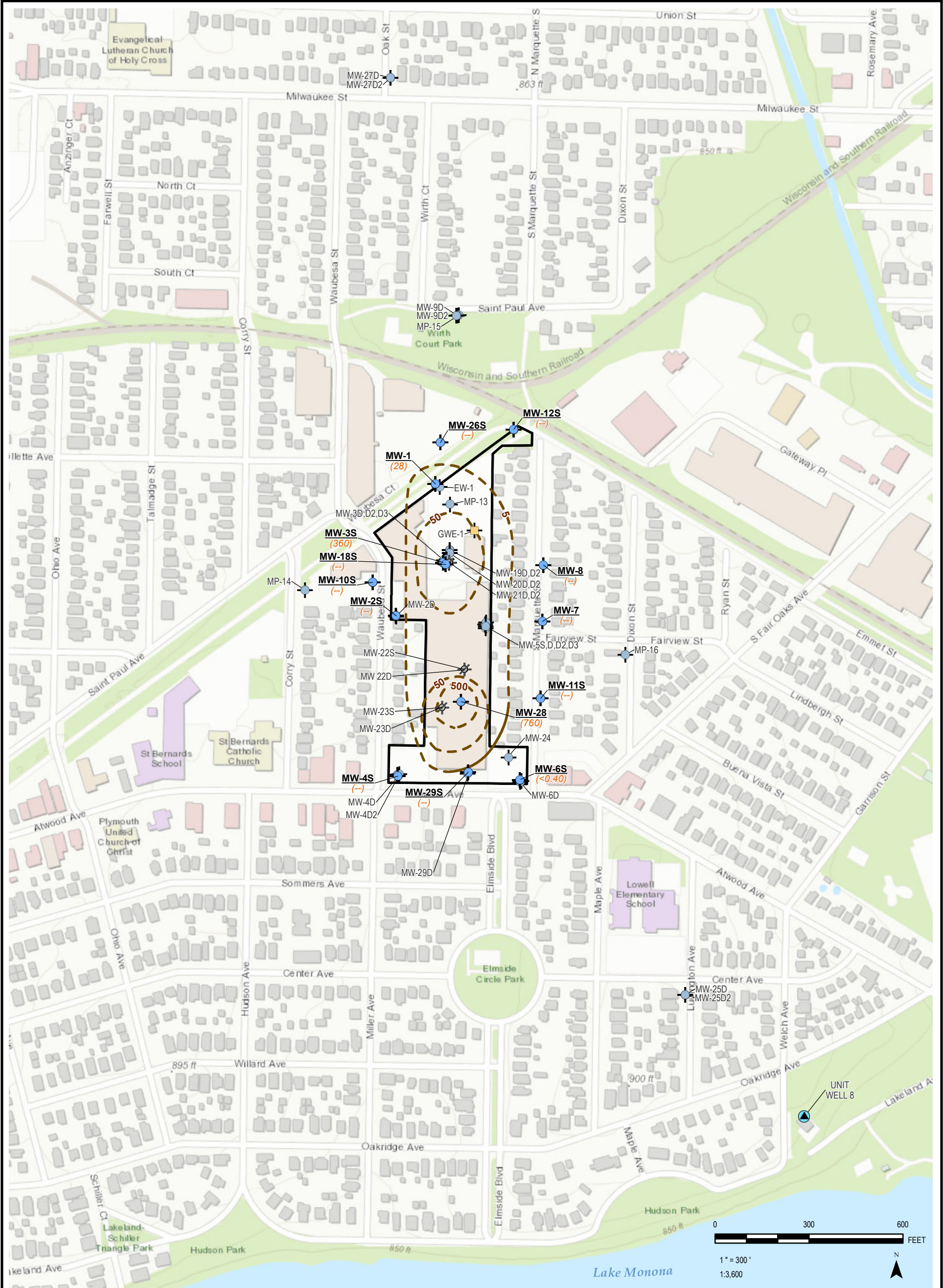
1. BASE MAP IMAGERY FROM ESRI, "WORLD TOPOGRAPHIC MAP" WEB BASEMAP SERVICE LAYER.

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.

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





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

PROJECT:

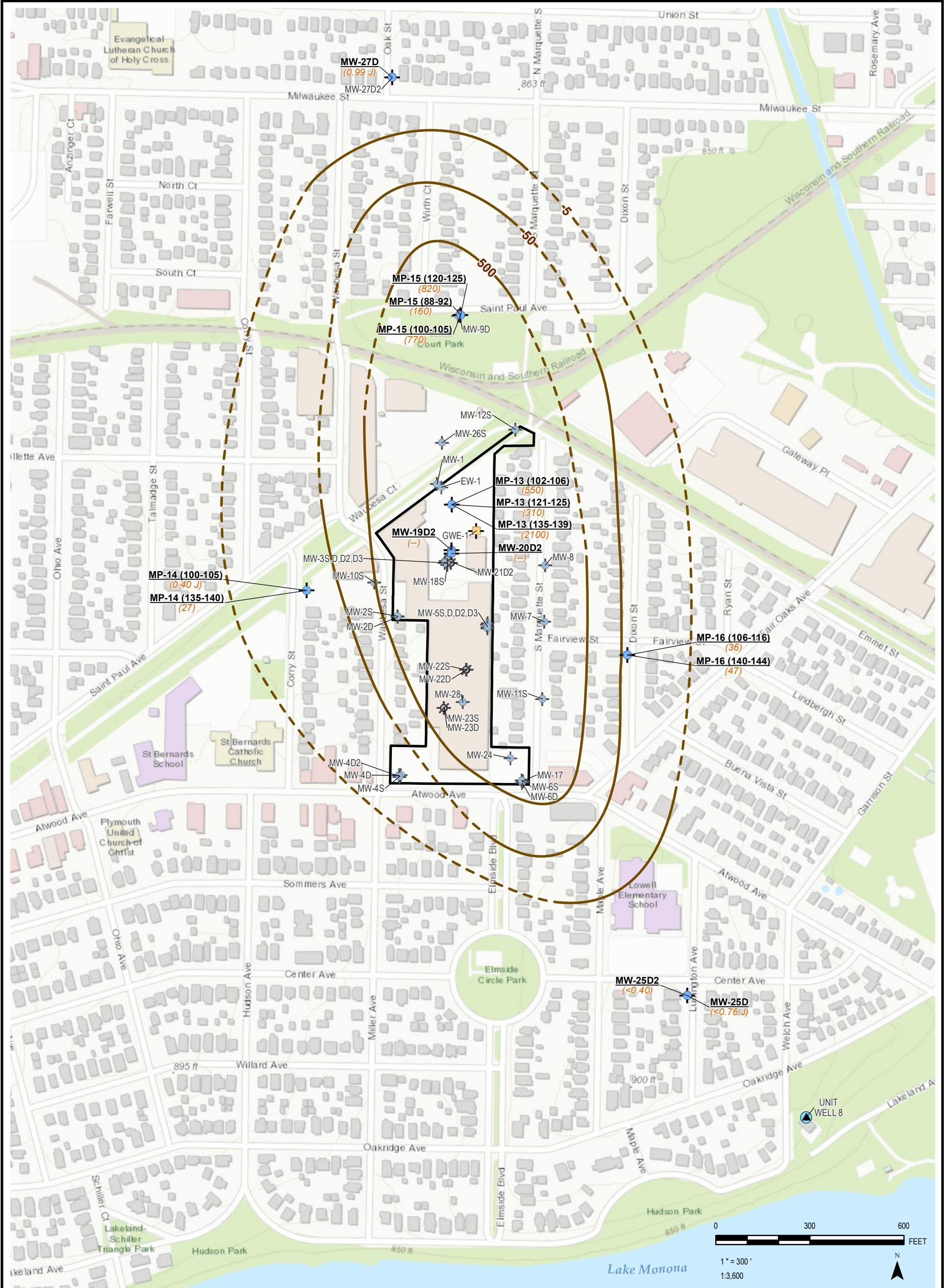
MADISON-KIPP CORPORATION
201 WAUBESA STREET
MADISON, WISCONSIN

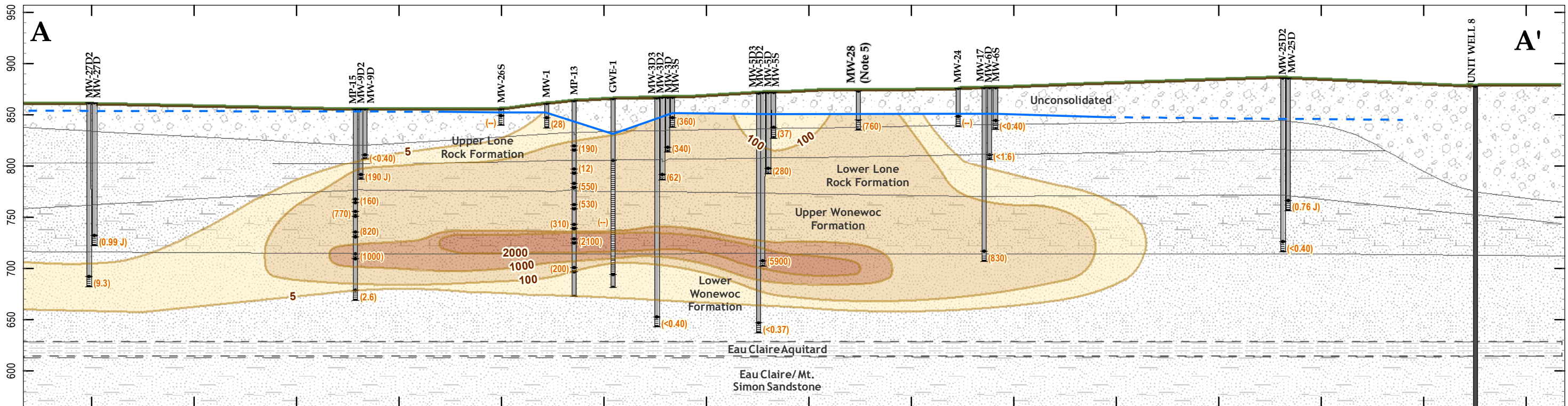
TITLE:

WATER TABLE
TETRACHLOROETHENE (PCE) ISOCONCENTRATIONS
OCTOBER 2024

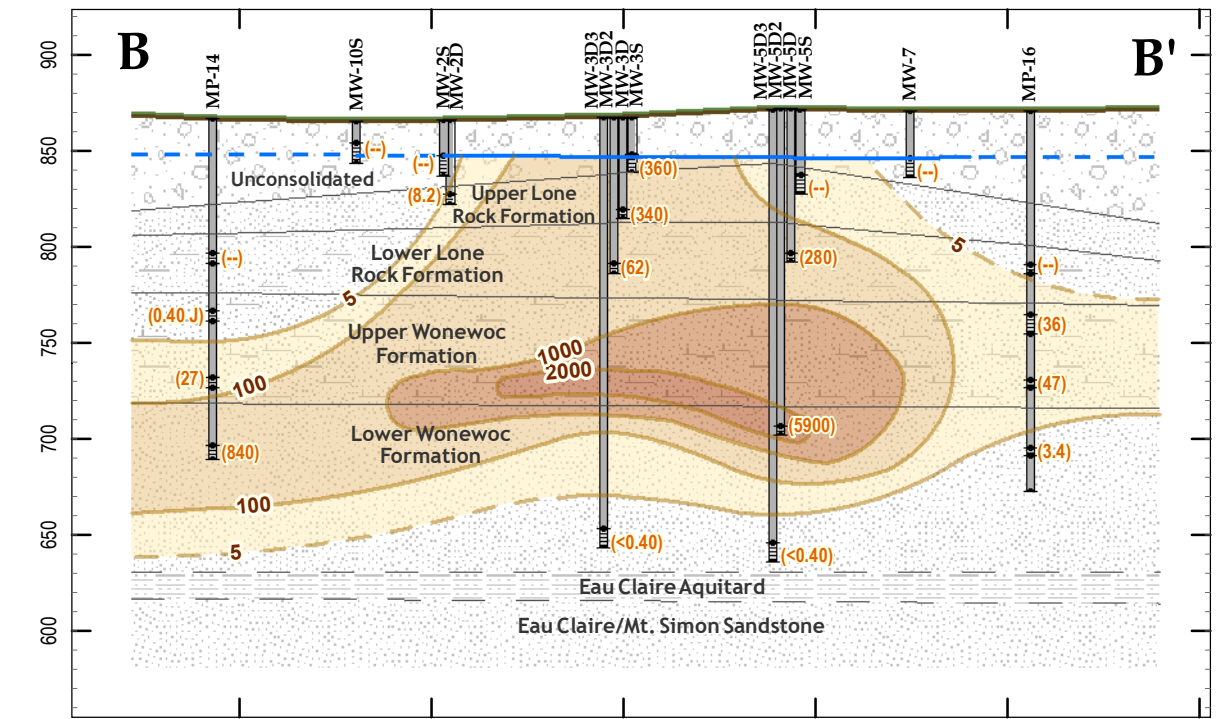
DRAWN BY: A. FOJTIK
CHECKED BY: M. HOLICKY
APPROVED BY: S. SELLWOOD
DATE: FEBRUARY 2025
PROJ. NO.: 638916
FILE: 638916-008.mxd

FIGURE 8





- 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
201 WAUBESA STREET
MADISON, WISCONSIN

TITLE: GEOLOGIC CROSS SECTIONS A-A' AND B-B'
TETRACHLOROETHENE (PCE)
CONCENTRATIONS - OCTOBER 2024

DRAWN BY: A. FOJTIK PROJ NO.: 638916

CHECKED BY: M. HOLICKY

APPROVED BY: S. SELLWOOD

DATE: FEBRUARY 2025

FIGURE 13

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

FILE NO.: 638916-013.mxd



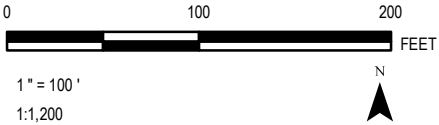
LEGEND

-  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



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



- NOTES
1.

MH-4AR REPRESENTS TWO COLLECTION POINTS THAT MERGE INTO ONE DISCHARGE POINT.
2.

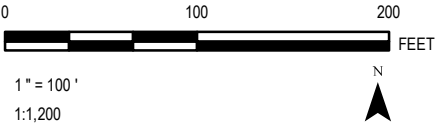
MH-5AH REPRESENTS A DISCHARGE PIPE LOCATED IN MANHOLE MH-5A, BOTH ABANDONED IN 2017.
3.

MH-2W AND THE SECTION OF PIPE BETWEEN MH -2W AND MH-2A WERE ABANDONED IN 2017.
4.

BASE MAP IMAGERY FROM GOOGLE EARTH PRO, 2023.

LEGEND

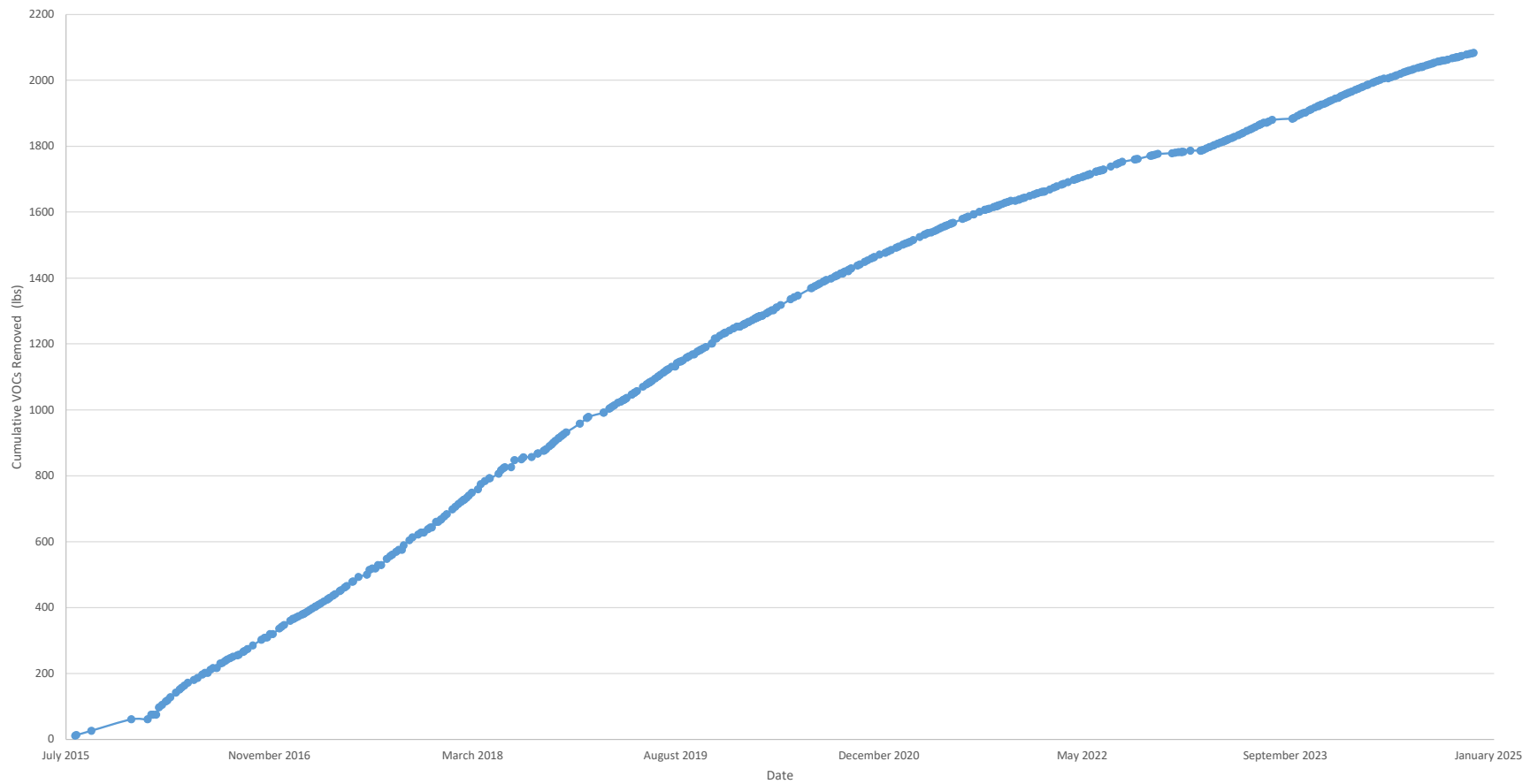
- SITE PROPERTY BOUNDARY
- ROOF DRAIN INLET
- MANHOLE/CATCH BASIN
- OUTFALL
- S-1 PIPE SECTION
- S-2 PIPE SECTION
- S-3 PIPE SECTION
- S-3-ABANDONED (NOTE 3)
- S-4 PIPE SECTION



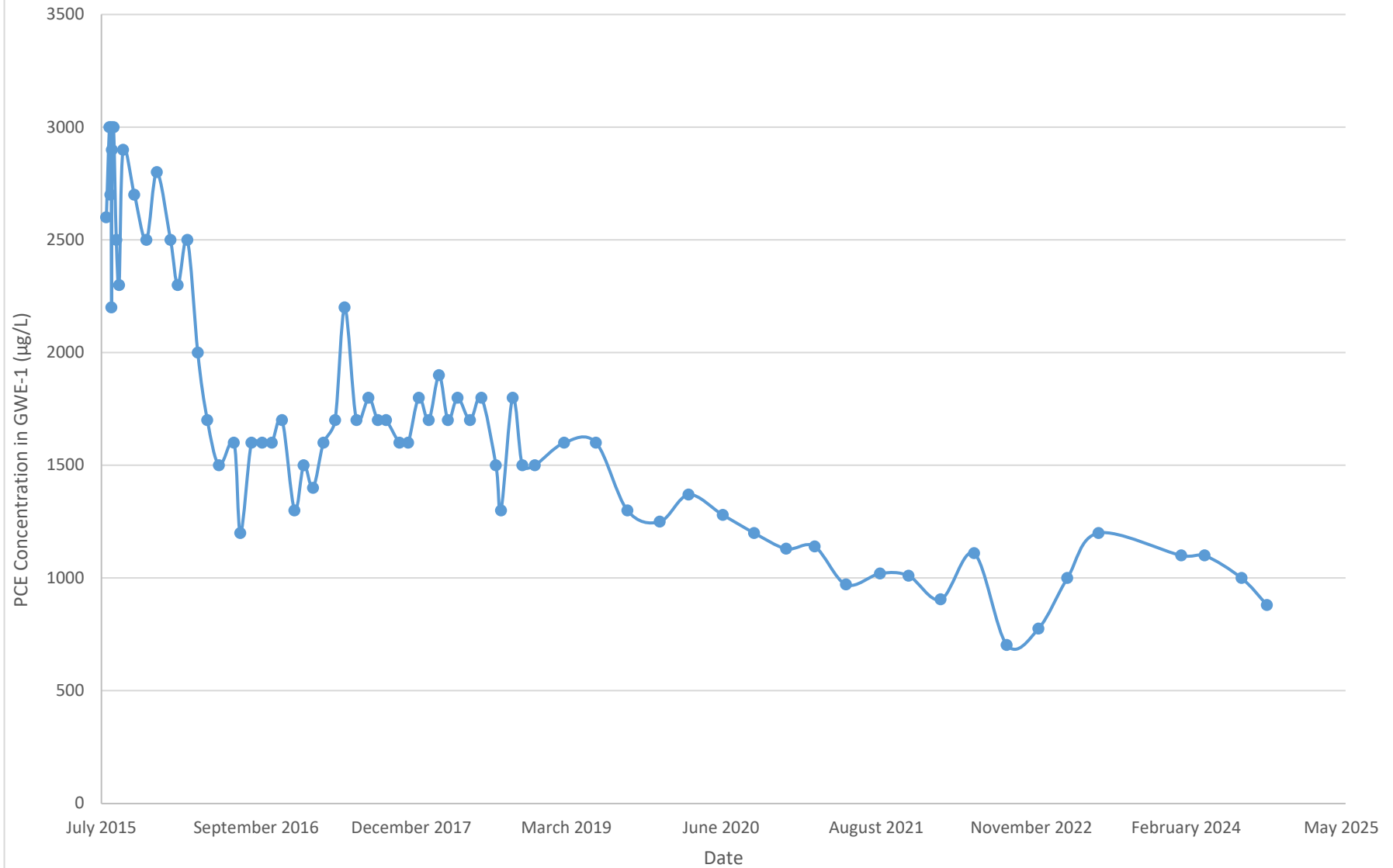
TRC 999 Fourier Drive, Suite 101 Madison, WI 53717 Phone: 608.826.3600	PROJECT:	MADISON-KIPP CORPORATION 201 WAUBESA STREET MADISON, WISCONSIN	DRAWN BY:	A. FOJTIK
	TITLE:	RAIN GARDEN SITE MAP AND STORM SEWER INFRASTRUCTURE	CHECKED BY:	M. HOLICKY
			APPROVED BY:	K. VATER
			DATE:	FEBRUARY 2025
			PROJ. NO.:	638916
			FILE:	638916-015.mxd
			FIGURE 15	

Appendix A: Trend Plots

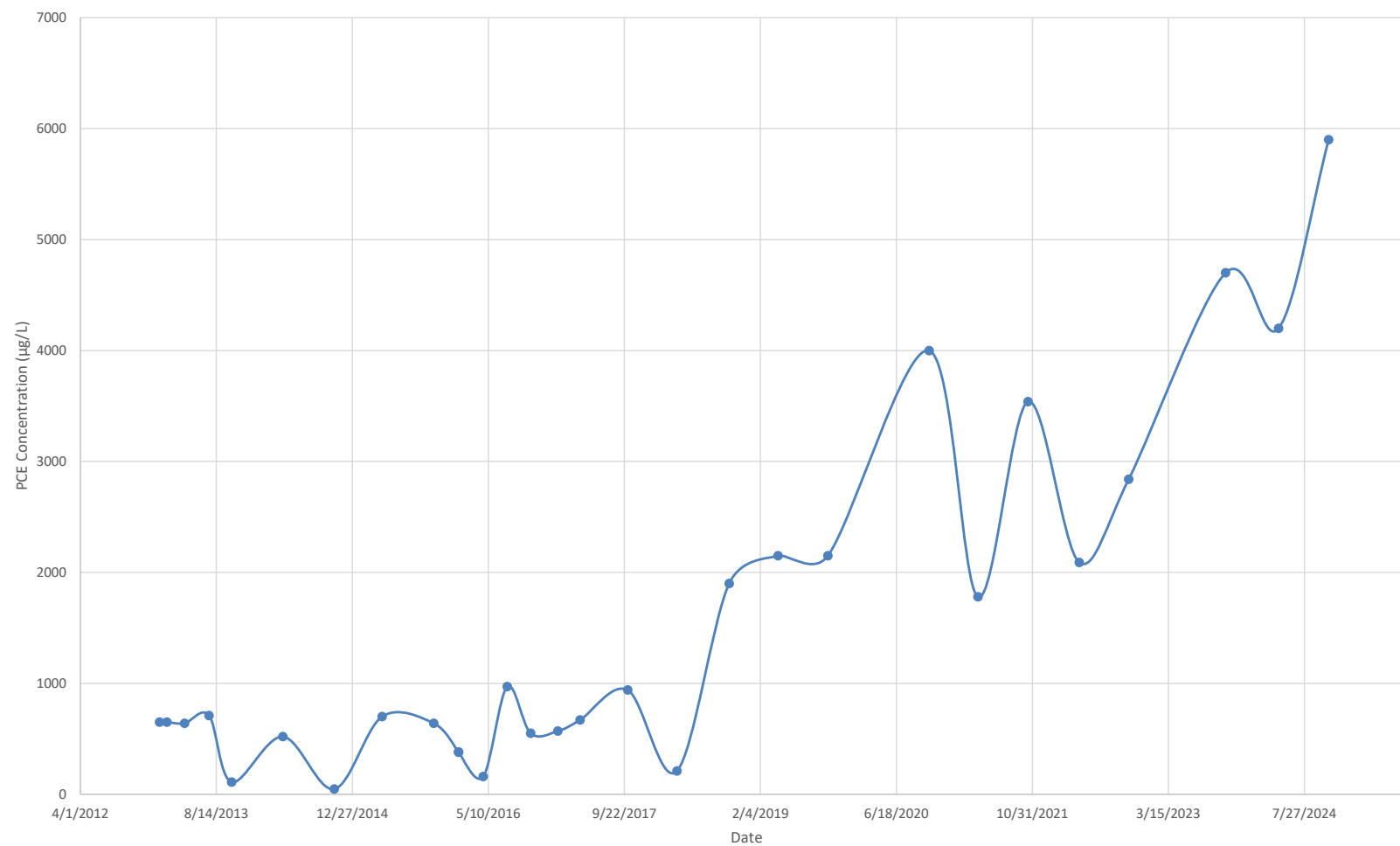
Trend Plot A.1
Groundwater Extraction System Operation
Cumulative Volatile Organic Compounds (VOCs) Removed
Madison Kipp Corporation
201 Waubesa Street
Madison, Wisconsin



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)

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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) DNR	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific) 02-13-558625

5. Site location

Region South Central Region	County Dane	Address 201 Waubesa St

Municipality name ☒ City ☐ Town ☐ Village Madison	Township 07 N	Range ☒ E ☐ W	Section 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)

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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

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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: _____

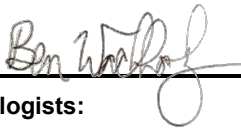
7. If closure is anticipated within 12 months, estimated costs for project closeout: _____

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 Benjamin Wachholz	Title Project Engineer
Signature 	Date 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

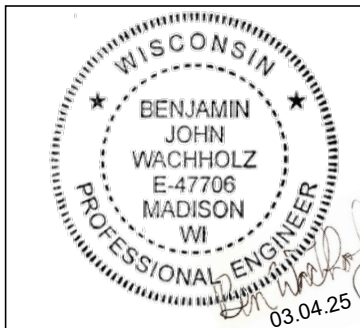
Days in period: 183

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Professional Seal(s), if applicable:



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-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

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Days in period: 183

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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

Days in period: 183

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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

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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
Days in period: 183

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

To: 12/31/2024

Days in period: 183

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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

Days in period: 183

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Form 4400-194 (R 06/20)

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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

Days in period: 183

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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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
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)

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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
Days in period: 183

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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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: _____ $\mu\text{g/kg}$

b. Specific compounds ($\mu\text{g/kg}$):

i. Benzene: _____ $\mu\text{g/kg}$

ii. 1,2 Dichloroethane: _____ $\mu\text{g/kg}$

iii. Ethylbenzene: _____ $\mu\text{g/kg}$

iv. Toluene: _____ $\mu\text{g/kg}$

v. Total xylenes: _____ $\mu\text{g/kg}$

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

Days in period: 183

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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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

Days in period: 183

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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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

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

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

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
(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.

Eurofins Chicago

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.

Eurofins Chicago

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

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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: 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
Tetrachloroethene	1.7		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
Trichloroethene	0.41	J	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	[^] 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
Fluoranthene	0.0087	J	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	[^] 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
Phenanthrene	0.020		0.020	0.014	ug/L		07/29/24 08:57	08/02/24 21:07	1
Pyrene	0.0066	J 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 (70-130)	DCA (70-130)	TOL (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 (46-102)	FLR (50-107)	BNAPd12 (10-150)	FLN (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

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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

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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 ¹
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 ¹
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

¹ 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

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Ver: 04/02/2024 8/5/2024

ANDY STEIN

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

CAD: 07803077CAFE3808

Part # 159499-434 MTHW EXP 01/25

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



UNIVERSITY PARK IL 60484

(708) 634-5200

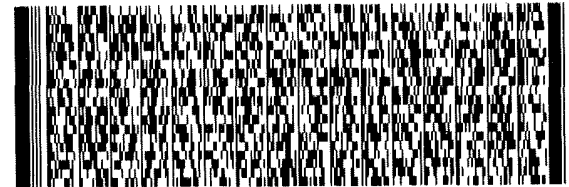
REF:

500-254095 Waybi

PG:

DEPT:

RMA. ||| ||| |||



FedEx
Express



10/22/11 10:20:14Z

TRK# 4051 7962 2710
0221

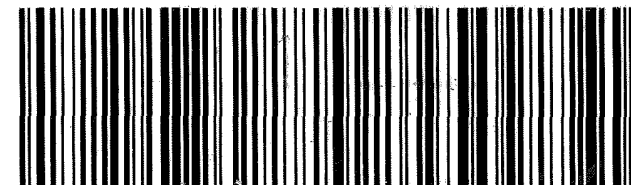
RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx
TRK# 4051 7962 2710
0221

FRI - 26 JUL 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



Part # 156297-435 RPOB 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

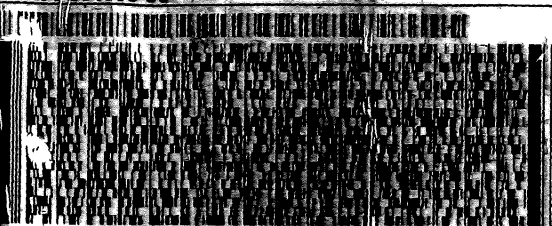
SHIP DATE: 26 JUL 24
ACTWT: 35.00 LB MAN
CAD: 0675858/CAFE3808

BILL SENDER

Part # 150408-434 NTN EXP 04/25

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

(802) 881-1130
REF: 254096 SS



FedEx
Express

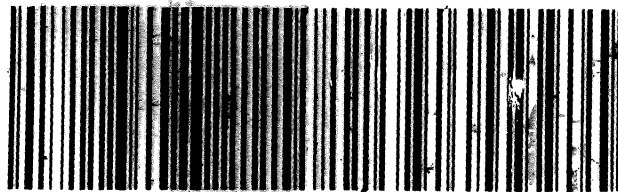


TRK 7051 7620 4444
0201

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 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.	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
(920)261-1660

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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.

Eurofins Chicago

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

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- 13
- 14
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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: 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
Tetrachloroethene	1.5		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
Trichloroethene	0.55		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

Lab Sample ID: 500-258031-2

Date Collected: 10/07/24 10:20

Matrix: Water

Date Received: 10/08/24 09:35

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

- 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: 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 %Recovery	LCS 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	MS 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

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: 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

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 ¹
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 ¹
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

¹ 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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Ver: 05/06/2024 10/28/2024

123

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

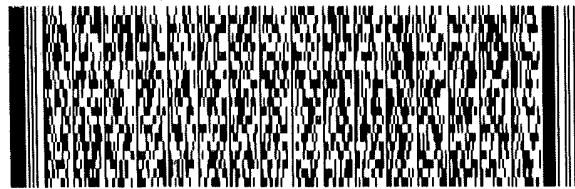
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DEPT:

RMA



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Express



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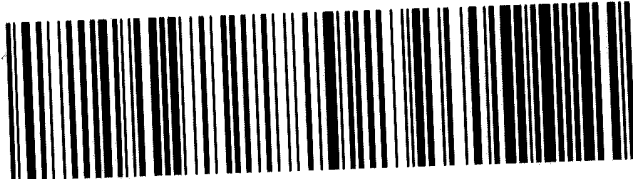
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PRIORITY OVERNIGHT

XP JOTA

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IL-US **ORD**



58C.02B264/C6C4

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Client Information (Sub Contract Lab)		Sampler:		Lab PM Fredrick, Sandie		500-258031 Chain of Custody		COC No 500-193561 1			
Client Contact: Shipping/Receiving		Phone		E-Mail Sandra.Fredrick@eurofins.com		Wisconsin		Page Page 1 of 1			
Company TestAmerica Laboratories, Inc				Accreditations Required (See note) State - Wisconsin, State Program - Wisconsin				Job # 500-258031-1			
Address 530 Community Drive, Suite 11, City: South Burlington State, Zip VT, 05403		Due Date Requested: 10/21/2024		Analysis Requested				Preservation Codes: -			
City: South Burlington		TAT Requested (days):									
State, Zip VT, 05403		PO #									
Phone 802-660-1990(Tel) 802-660-1919(Fax)		WO #									
Email		SSOW#		Field Filtered Sample (Yes or No)				Total Number of containers			
Project Name MadisonKipp GETS 581184 0000 0000		Project # 50021264		Perform MS/MSD (Yes or No)				Other:			
Site		SSOW#		8270E_SIM/3510C SVOC							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)					Special Instructions/Note:	
				Preservation Code:							
Effluent (500-258031-1)		10/7/24	10 15 Central	G	Water		X				2
Influent (500-258031-2)		10/7/24	10 20 Central	G	Water		X				2
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ 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: <i>[Signature]</i>			Date/Time: 10/8/24 16:00		Company: EET		Received by: <i>[Signature]</i>		Date/Time: 10/10/24 1035		Company: ETABUN
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact. Δ Yes Δ No		Custody Seal No				Cooler Temperature(s) °C and Other Remarks					

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

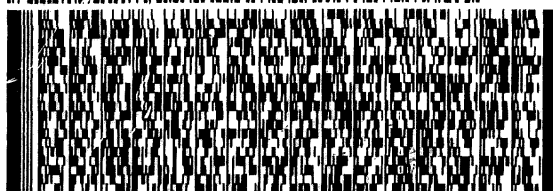
BILL SENDER

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



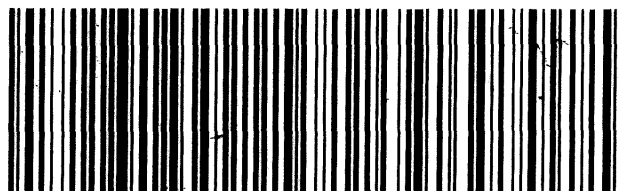
AN L070/072030247

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	2.2°C
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	Received project as a subcontract.
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.	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
11/21/2024 1:54:27 PM

Authorized for release by
Jodie Bracken, Project Manager I
Joann.Bracken@et.eurofinsus.com
Designee for
Sandie Fredrick, Senior Project Manager
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

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

- 1
- 2
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- 13
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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

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

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- 14

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 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

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 ¹

¹ 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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- 13
- 14

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

Matrix Key

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

Client Comments

Lab Comments

Part # 156297-435 RHD8 EXP 09/25
23373295/57185

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

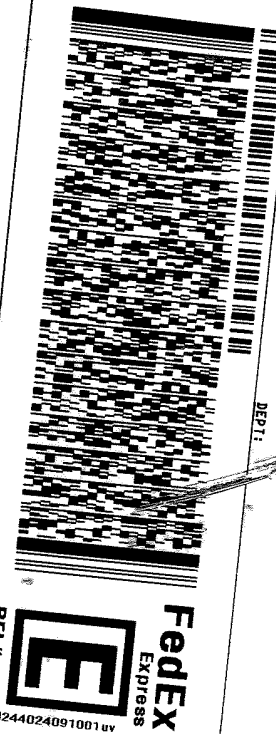
SHIP DATE: 13NOV24
ACTWGHT: 16.05 LB
CAO: 6570219/R05A2570
DIMS: 15x15x10 IN

BILL THIRD PARTY

TO SANDIE FREDRICK
EUROFINS CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

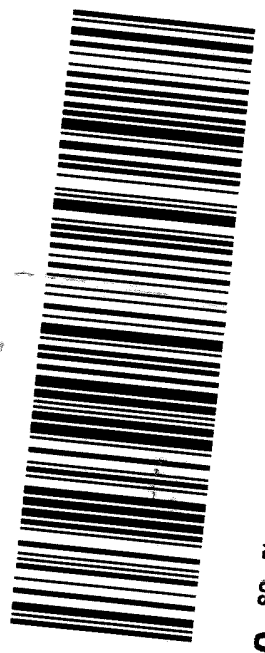
REF: (920) 261-1660
TNO:
PO:



REL# 3765346
THU - 14 NOV 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD

TRK# 7799 3849 4874
0201

XP JOTA



500-260135 Waybl

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

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

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL 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.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

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

(916) 985-1000

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 $\leq$ 30%	Follow TO-15 requirements of RSD $\leq$ 30% with two compounds allowed out to $\leq$ 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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 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

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

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

Date of Collection: NA

Dil. Factor: 1.00

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&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

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-1 14 - 24 ft 04/08/2010	MW-1 14 - 24 ft 03/29/2011	MW-1 14 - 24 ft 04/11/2012	MW-1 14 - 24 ft 01/15/2013	MW-1 14 - 24 ft 04/21/2013	MW-1 14 - 24 ft 07/18/2013	MW-1 14 - 24 ft 10/09/2013	MW-1 14 - 24 ft 04/22/2014	MW-1 14 - 24 ft 10/23/2014	MW-1 14 - 24 ft 04/14/2015	MW-1 14 - 24 ft 10/21/2015	MW-1 14 - 24 ft 10/13/2016	MW-1 14 - 24 ft 10/04/2017	MW-1 14 - 24 ft 10/16/2018	MW-1 14 - 24 ft 10/16/2019	MW-1 ³ 14 - 24 ft 10/16/2019	MW-1 14 - 24 ft 10/20/2020	MW-1 14 - 24 ft 10/18/2021	MW-1 14 - 24 ft 10/24/2022	MW-1 ³ 14 - 24 ft 10/24/2022	MW-1 14 - 24 ft 10/16/2023	MW-1 ³ 14 - 24 ft 10/16/2023	MW-1 14 - 24 ft 10/24/2024			
VOCS																													
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27	< 0.27	< 0.36	< 0.36	< 0.36	< 0.46	< 0.46	< 0.36	< 0.16		
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 0.10	< 0.24	< 0.24	< 0.24	< 0.30	< 0.30	< 0.30	< 0.38	< 0.38	< 0.30	< 0.39		
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.35	< 0.10	< 0.1	< 0.10	< 0.55	< 0.55	< 0.55	< 0.34	< 0.34	< 0.34	< 0.35	< 0.35	< 0.34	< 0.27		
1,1-Dichloroethene	0.7	7	1.1	0.95	0.94 J	0.84 J	< 0.31	< 0.31	< 0.31	0.62 J	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.14	< 0.24	< 0.24	< 0.24	< 0.58	< 0.58	< 0.58	< 0.39	< 0.39	0.49 J			
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 0.060	< 0.84	< 0.84	< 0.84	< 0.45	< 0.45	< 0.45	< 0.36	< 0.36	< 0.36	< 0.15		
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.39	< 0.13	< 0.13	< 0.13	< 0.83	< 0.83	< 0.83	< 0.31	< 0.31	< 0.31	< 0.39	< 0.39	< 0.39	< 0.18		
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.33	< 0.076	< 0.076	< 0.076	< 0.71	< 0.71	< 0.71	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.14		
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.39	< 0.078	< 0.078	< 0.078	< 0.28	< 0.28	< 0.28	< 0.29	< 0.29	< 0.29	< 0.39	< 0.39	< 0.39	< 0.28		
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 0.10	< 0.28	< 0.28	< 0.28	< 0.45	< 0.45	< 0.45	< 0.43	< 0.43	< 0.43	< 0.24		
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.46	< 0.045	< 0.045	< 0.045	< 0.63	< 0.63	< 2.2	< 1.0	< 1.0	< 1.0	< 0.46	< 0.46	< 1.2			
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.077	< 0.077	< 0.077	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.34	< 0.34	< 0.58			
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.075	< 0.075	< 0.075 J	< 0.87	< 0.87	< 0.87	< 0.36	< 0.36	< 0.36	< 0.25	< 0.25	< 0.12			
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	< 3.0 J	< 2.9	< 2.9	< 2.9	< 6.5	< 6.5	< 6.5	< 2.1	< 2.1	< 4.6			
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95 J	< 2.5	< 2.5	< 5.2	< 6.3	< 6.3	< 6.3	< 1.6	< 1.6	< 0.81			
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77 J	< 1.5	< 1.5	< 4.6	< 6.0	< 6.0	< 6.0	< 2.2	< 2.2	< 0.98			
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	7.5 BJ	< 3.4 J	< 2.7	< 2.7	< 2.7	< 8.6	< 8.6	< 8.6	< 1.7	< 1.7	< 6.6			
Benzene	0.5	5	< 0.2	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.089	< 0.089	< 0.089	< 0.25	< 0.25	< 0.25	< 0.30	< 0.30	< 0.30	< 0.15	< 0.15	< 0.14			
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.37	< 0.077	< 0.077	< 0.077	< 0.36	< 0.36	< 0.36	< 0.42	< 0.42	< 0.42	< 0.37	< 0.37	< 0.19			
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.48	< 0.088	< 0.088	< 0.088	< 4.0	< 4.0	< 4.0	< 3.8	< 3.8	< 3.8	< 0.48	< 0.48	< 0.25			
Bromomethane	1	10	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.80	< 0.59	< 0.59	< 0.59	< 0.97	< 0.97	< 0.97	< 1.2	< 1.2	< 1.2	< 0.80	< 0.80	< 2.4			
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	< 0.37	< 0.37	< 0.45	< 1.1	< 1.1	< 1.1	< 0.45	< 0.45	< 0.26			
Carbon tetrachloride	0.5	5	< 0.8	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.38	< 0.038	< 0.038	< 0.038	< 0.17	< 0.17	< 1.1	< 0.37	< 0.37	< 0.37	< 0.38	< 0.38	< 0.23			
Chloroethane	80	400	< 1	< 1	< 0.33	< 0.34	< 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	< 1.3	< 1.4	< 1.4	< 1.4	< 0.51	< 0.51	< 0.64			
Chloroform	0.6	6	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	0.63 J	< 0.37	< 0.36			
Chloromethane	3	30	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.32	0.75 BJ	2.2	< 0.25 U	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6	< 0.32	< 0.32	< 0.23			
cis-1,2-Dichloroethene	7	70	51	58	38	41	23	25	27	25	22	20	8	3.6	2.8	4.0	7.1	6.8	8.7	13.0 J	15.3	14.9	16 J	23 J	22				
Di-isopropyl ether	NE	NE	< 0.5	< 0.5	< 0.27	< 0.15	< 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	< 1.9	< 1.1	< 1.1	< 1.1	< 0.28	< 0.28	< 1.1			
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.26	< 0.2	< 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	< 0.50	< 0.46	< 0.46	< 0.46	< 0.67	< 0.67	< 0.30			
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.054	< 0.054	< 0.054	< 0.22	< 0.22	< 0.32	< 0.33	< 0.33	< 0.33	< 0.18	< 0.18	< 0.14			
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.39	< 0.081	< 0.081	< 0.081 J	< 0.39	< 0.39	< 1.7	< 1.0	< 1.0	< 1.0	< 0.39	< 0.39	< 0.16			
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	< 0.47	< 0.47	< 0.47	< 0.70	< 0.70	< 0.70	< 0.18	< 0.18	< 0.36			
Methyl tert-butyl ether	12	60	< 0.5	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.39	< 0.14	< 0.14	< 0.14	< 1.2	< 1.2	< 1.2	< 1.1 J	< 1.1	< 1.1	< 0.39	< 0.39	< 0.25			
Methylene chloride	0.5	5	< 1	< 1	8.5	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 1.6	< 0.14	< 0.14	< 0.14	< 0.58	< 0.58	< 0.58	< 0.32	< 0.32	< 0.32	< 1.6	1.7 J	< 0.94			
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.34	< 0.088	< 0.088	< 0.088	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 0.34	< 0.34	< 0.99			
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86	< 0.39	< 0.39	< 0.23			
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	< 1.7	< 1.7	< 1.7	< 1.5	< 1.5	< 1.5	< 0.49	< 0.49	< 0.16			
n-Propylbenzene	NE	NE	< 0.5	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.41	< 0.10	< 0.1	< 0.10	< 0.81	< 0.81	< 0.81	< 0.35	< 0.35	< 0.35	< 0.41	< 0.41	< 0.18			
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	< 0.26	< 0.26	< 0.26	< 0.35	< 0.35	< 0.35	< 0.22	< 0.22	< 0.11			
p-Isopropyltoluene	NE	NE	< 0.2	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.															

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-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	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	10/16/2018	04/08/2010	10/01/2010	03/30/2011	04/11/2012	01/15/2013	04/20/2013	07/18/2013	10/10/2013	04/17/2014
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	< 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	< 0.2	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 0.2	< 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	< 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	< 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	< 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	< 0.2	< 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	< 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	< 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	< 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	< 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	< 0.8	< 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	< 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	< 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	< 0.2	< 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	< 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	< 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	< 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	< 0.2	< 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	< 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	< 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	< 0.5	< 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	< 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	< 0.68
Naphthalene	10	100	< 0.25	< 0.25	< 0.24	< 0.1															

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

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-2D 39 - 44 ft 10/16/2014	MW-2D 39 - 44 ft 04/14/2015	MW-2D 39 - 44 ft 10/21/2015	MW-2D 39 - 44 ft 01/25/2016	MW-2D 39 - 44 ft 04/21/2016	MW-2D 39 - 44 ft 07/19/2016	MW-2D 39 - 44 ft 10/13/2016	MW-2D 39 - 44 ft 1/19/2017	MW-2D 39 - 44 ft 04/12/2017	MW-2D 39 - 44 ft 10/04/2017	MW-2D 39 - 44 ft 04/05/2018	MW-2D 39 - 44 ft 10/16/2018	MW-2D ³ 39 - 44 ft 10/16/2018	MW-2D 39 - 44 ft 04/12/2019	MW-2D 39 - 44 ft 10/16/2019	MW-2D 39 - 44 ft 10/20/2020	MW-2D 39 - 44 ft 04/15/2021	MW-2D 39 - 44 ft 10/15/2021	MW-2D 39 - 44 ft 04/28/2022	MW-2D 39 - 44 ft 10/24/2022	MW-2D 39 - 44 ft 4/13/2023	MW-2D 39 - 44 ft 10/16/2023	MW-2D 39 - 44 ft 04/24/2024	MW-2D 39 - 44 ft 10/25/2024	MW-2D ³ 39 - 44 ft 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	< 0.27	< 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	< 0.10	< 0.10	< 0.10	< 0.24	< 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	< 0.1	< 0.10	< 0.10	< 0.10	< 0.55	< 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	< 0.24	< 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	< 0.06	< 0.060	< 0.060	< 0.060	< 0.84	< 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	< 0.83	< 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	< 0.71	< 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	< 0.28	< 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	< 0.1	< 0.10	< 0.10	< 0.10	< 0.28	< 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	< 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	< 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	< 0.87	< 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	< 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	< 2.5	< 2.5	< 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	< 1.5	< 1.5	< 4.6	< 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	< 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	< 0.25	< 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	< 0.36	< 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	< 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	< 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	< 0.37	< 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	< 0.17	< 0.17	< 1.1	< 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	< 1.3	< 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	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.37	0.47 J	< 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	< 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	< 0.27	< 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	< 1.9	< 1.1	< 1.1	< 1.1	< 1.1	< 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	0.15 J+	< 0.11	< 0.11	< 0.50	< 0.50	< 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	< 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	< 0.47	< 0.70	< 0.70	< 0.70	< 0.70	< 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	< 1.2	< 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	0.82 BJ	< 0.14	< 0.14	< 0.14	< 0.27 U	< 0.27 U	< 0.58	< 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	0.33 J	< 0.088	< 0.088	< 1.2	< 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																	

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

WELL ID			MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S ¹	MW-3S ^{1,3}	MW-3S	MW-3S ¹	MW-3S ¹	MW-3S	
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	
SAMPLE DATE	ACTION LIMIT	STANDARD	04/07/2010	03/29/2011	04/12/2012	11/30/2012	12/18/2012	12/19/2012	12/28/2012	01/30/2013	01/15/2013	01/15/2013	01/13/2013	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	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.5	
1,1,1-Trichloroethane	40	200	< 16	< 13	< 1.3	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 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	< 0.28	< 0.28	NA	< 0.28	< 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	< 0.31	< 0.31	NA	< 0.31	< 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	< 0.14	< 0.14	NA	< 0.14	< 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	< 0.36	< 0.36	NA	< 0.36	< 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	< 0.27	< 0.27	NA	< 0.27	< 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	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	
1,2-Dichloropropane	0.5	5	< 16	< 13	< 1.8	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 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	< 0.24	< 0.24	NA	< 0.24	< 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	< 0.31	< 0.31	NA	< 0.31	< 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	< 0.18	< 0.18	NA	< 0.18	< 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	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.34	
Bromodiform	0.44	4.4	< 6.4	< 5	< 2.3	< 1.4	NA	NA	NA	NA	NA	< 0.28	NA	NA	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.56	
Bromomethane	1	10	< 16	< 13	< 2.5	< 1.6	NA	NA	NA	NA	NA	< 0.31	NA	NA	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.62	
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon tetrachloride	0.5	5	< 26	< 20	< 1.4	< 1.3	NA	NA	NA	NA	NA	< 0.26	NA	NA	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.52	
Chloroethane	80	400	< 32	< 25	< 1.7	< 1.7	NA	NA	NA	NA	NA	< 0.34	NA	NA	< 0.34	< 0.34	NA	< 0.34	< 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	< 0.18	< 0.18	NA	< 0.18	< 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	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.3	
Dichlorodifluoromethane	200	1000	< 16	< 13	< 1.3	< 1	NA	NA	NA	NA	NA	< 0.2	NA	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.4	
Ethylbenzene	140	700	< 16	< 13	< 0.7	< 0.65	NA	NA	NA	NA	NA	0.36 J	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.26	
Isopropylbenzene	NE	NE	< 6.4	< 5	< 1.1	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 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	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.48	
Methylene chloride	0.5	5	< 32	< 25	< 3.2	< 3.4	NA	NA	NA	NA	NA	< 0.68	NA	NA	< 0.68	< 0.68	NA	< 0.68	< 0.68	< 1.4	
Naphthalene	10	100	< 8	< 6.3	< 1.2	< 0.8	NA	NA	NA	NA	NA	< 0.16	NA	NA	< 0.16	< 0.16	NA	< 0.16	< 0.16	< 0.32	
n-Butylbenzene	NE	NE	< 6.4	< 5	< 1.1	< 0.65	NA	NA	NA	NA	NA	< 0.13	NA	NA	< 0.13	< 0.13	NA	< 0.13	< 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	< 0.13	< 0.13	NA	< 0.13	< 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	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.34	
sec-Butylbenzene	NE	NE	< 8	< 6.3	< 0.95	< 0.75	NA	NA	NA	NA	NA	< 0.15	NA	NA	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.3	
Styrene	10	100	< 16	< 13	< 1.3	< 0.5	NA	NA	NA	NA	NA	< 0.1	NA	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.2	
tert-Butylbenzene	NE	NE	< 6.4	< 5	< 1.2	< 0.7	NA	NA	NA	NA	NA	< 0.14	NA	NA	< 0.14	< 0.14	NA	< 0.14	< 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	< 0.11	< 0.11	NA	< 0.11	< 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	< 0.25	< 0.25	NA	< 0.25	< 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	< 0.19	< 0.19	NA	< 0.19	< 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	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.2	
Xylenes, Total	400	2000	< 16	< 13	< 1.5	< 0.34	NA	NA	NA	NA	NA	2.4	NA	NA	< 0.068	< 0.068	NA	< 0.068	< 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	
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	

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

WELL ID			MW-3S	MW-3S ¹	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S ³	MW-3S	MW-3S	MW-3S ³	MW-3S	MW-3S	MW-3S ³	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	1	< 0.37	0.67	< 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	3.7	3.4 J	2.4	< 1.0	3	< 1.2	< 1.6	< 3.1	< 25.5	< 25.5	< 1.3	< 5.9	< 5.9	< 11.8	0.66 J	0.70 J	< 1.8	< 6.4	0.78	< 4	0.93 J	< 1	NA	
Chloromethane	3	30	< 0.36	< 0.90	< 0.18	< 0.90	< 0.64	11 B J	< 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	58	< 0.60	35	54	36	29	20	21 J	25.6	24.9	6.8	9.1 J	9.3 J	8.5 J	7.8 J	10 J	8.7	510 310 300 350 520					NA	
Di-isopropyl ether	NE	NE	< 0.3	< 0.75	< 0.15	< 0.75	< 0.55	< 3.0																		

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 ³	MW-3D	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	02/28/2013	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	04/22/2016	07/20/2016	10/13/2016	1/19/2017	04/12/2017	10/05/2017	
VOCs																										
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	0.55 J	0.40 J	< 0.15	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	0.36 BJ	0.34 J	0.38 J	
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	
Bromoform	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	0.18 J	0.44 J	0.38 J	0.39 J	0.14 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	0.89 J	NA	NA	< 0.2	NA	< 0.2	< 0.2	< 0.4	0.85 J	< 0.40	< 0.40	0.88 J	0.90 J	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	0.19 BJ	< 0.062	0.43 J	
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	290	NA	NA	200	NA	54	210	200	180	170	170	82	48	0.87	0.77	0.69	13	3.6	7.3	10	1.7	
Di-isopropyl ether	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	< 0.28	< 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																		

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

WELL ID	PREVENTIVE	ENFORCEMENT	MW-3D	MW-3D ³	MW-3D	MW-3D	MW-3D ³	MW-3D	MW-3D ³	MW-3D	MW-3D	MW-3D ³	MW-3D	MW-3D	MW-3D	MW-3D ³	MW-3D	MW-3D ³	MW-3D	MW-3D ³	MW-3D	MW-3D	MW-3D ³	MW-3D	MW-3D ³
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			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	0.90 J	< 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	44	43	39	52.9	43.4	68.3	63.3	NA	51	55	49.8	44.3 J	36.7	31.2	28	29.3	21	25	27 J	8	8.8 J+	11	11
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	1.5 J+	< 0.25 U	< 1.2	< 2.3	< 0.58	< 5.8	NA	< 5.8	< 0.58	< 3.2	< 3.2	< 3.2	4.4 J	< 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														

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 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ¹	MW-3D2 ¹	MW-3D2 ³	MW-3D2	MW-3D2 ³
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft	76 - 81 ft
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	<														

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

WELL ID	PREVENTIVE	ENFORCEMENT	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2 ³	
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	5.1	< 0.16
cis-1,2-Dichloroethene	7	21	20	210	220	230	240	270	230	220	2.5	2.5	0.84	3.0	3.6	15	17	30	2.1	34	33		
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	0.68 BJ	< 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 ³	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2 ³	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D2	MW-3D3	MW-3D3 ³	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	30	27	22.6	20.4	16.3	19.5	19.9 J	23.9 J	18.8	1.2 J	1.0	0.45 J	< 0.41	< 0.32	2.2	2.2	6.8	NA	NA	NA	15	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	490	480	300	280	278	394	424	449	299	271	130	120	59	62	6.6	6.6	1.7	NA	NA	NA	1.3	NA
Toluene	160	800	< 0.053	< 2.7	< 0.34	< 0.17	< 0.27	< 0.29	< 1.4	< 2														

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

WELL ID	PREVENTIVE	ENFORCEMENT	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)	ACTION	STANDARD	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	LIMIT		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	

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

WELL ID			MW-4S	MW-4S ¹	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S ³	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	35 - 50 ft	
SAMPLE DATE	ACTION LIMIT	STANDARD	04/08/2010	04/08/2010	03/30/2011	04/10/2012	01/15/2013	04/18/2013	07/18/2013	10/08/2013	04/17/2014	10/17/2014	10/05/2017	04/04/2018	04/04/2018	10/11/2018	04/11/2019	10/11/2019	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	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	40	200	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	0.5	5	< 0.25	< 0.25	< 0.25	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	0.7	7	< 0.5	< 0.5	< 0.5	< 0.29	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.2	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	0.005	0.05	< 0.2	< 0.2	< 0.2	< 0.45	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	60	600	< 0.2	< 0.2	< 0.2	< 0.21	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	0.5	5	< 0.5	< 0.5	< 0.5	< 0.36	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	NE	NE	< 0.25	< 0.25	< 0.25	< 0.36	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	14	70	< 0.25	< 0.25	< 0.25	< 0.22	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	96	480	< 0.2	< 0.2	< 0.2	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA	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	< 0.2	< 0.12	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	< 0.074	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	0.06	0.6	< 0.2	< 0.2	< 0.2	< 0.23	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromoform	0.44	4.4	< 0.2	< 0.2	< 0.2	< 0.45	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromomethane	1	10	< 0.5	< 0.5	< 0.5	< 0.49	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 *	NA	NA	NA	NA	NA	NA	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	< 0.8	< 0.28	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	80	400	< 1	< 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	
Chloroform	0.6	6	< 0.2	< 0.2	< 0.2	< 0.25	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloromethane	3	30	< 0.3	< 0.3	< 0.3	< 0.24	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	7	70	< 0.5	< 0.5	< 0.5	< 0.22	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Di-isopropyl ether	NE	NE	< 0.5	< 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	
Dichlorodifluoromethane	200	1000	< 0.5	< 0.5	< 0.5	< 0.26	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	140	700	< 0.5	< 0.5	< 0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA	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	< 0.5	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene chloride	0.5	5	< 1	< 1	< 1	< 0.63	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	10	100	1.4	1.4	< 0.25	< 0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	NE	NE	< 0.2	< 0.2	< 0.2	< 0.21	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA	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	< 0.5	< 0.19	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	< 0.2	< 0.24	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	NE	NE	< 0.25	< 0.2																			

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 ³	MW-4D	MW-4D	MW-4D ³	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	0.9	0.7	< 0.22	< 0.17	0.51 J	< 0.17	< 0.17	0.58 J	< 0.17	NA	NA	NA	NA	NA	NA	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																				

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 ³	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		
VOCs																											
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.27	< 0.27	< 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	< 0.83	< 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	< 0.71	< 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	< 0.28	< 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	< 0.63	< 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	< 0.95	< 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	< 0.87	< 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	< 3.0	< 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	< 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	< 0.25	< 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	< 0.36	< 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	< 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	< 0.37	< 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	< 0.17	< 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	< 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	< 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	<															

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

WELL ID	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-4D2	MW-4D2 ²	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-4D2	MW-5S	MW-5S	MW-5S	MW-5S ¹	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	1.2	< 0.28	1.1	< 0.26	1.4	1.1	1.3	1.3	< 0.26	0.79 J	< 0.26	1	< 0.076	0.81	< 0.076		
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	0.84 J	0.88 J	0.79 J	0.79 J	< 0.2	< 0.2	< 0.2	0.61 J	< 0.20	< 0.20	< 0.20	< 0.20	< 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	10	13	14	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 ³	MW-5S	MW-5S	MW-5S ³	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S ³	MW-5S	MW-5D	MW-5D ³	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
SAMPLE DATE	ACTION LIMIT	STANDARD	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	< 0.21	< 0.21	NA	< 0.42	< 0.42	NA	< 0.42	NA	< 0.43	NA	NA	< 0.20	< 40	< 40	< 0.22	< 0.95	< 0.38	< 0.38	< 0.38	< 0.95		
Vinyl chloride	0.02	0.2	NA	< 0.17	NA	< 0.17	< 0.17	NA	< 0.																		

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 ¹	MW-5D	MW-5D	MW-5D ¹	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	PREVENTIVE	ENFORCEMENT	MW-5D	MW-5D	MW-5D	MW-5D ¹	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 ³	MW-5D2	
SCREEN INTERVAL (feet bgs)	ACTION LIMIT	STANDARD	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			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
VOCs																					
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	0.80 J	< 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	9.2	4.7	3.6	1.5	< 0.24	0.79 J	2.1	2.9	1.4 J	1.6 J	< 4.4
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	5.7	< 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	12 BJ
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	263	340	290	270	240	280	NA	650	650	640	710	110	520	47	700	640	380	380	160
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	4.5	5.5	3.8	4	3.1	3.5	NA	9.5	8.4	7.4	8.1	6.1	7.1	2.2	8.2	9.1	4.7 J	5.5	< 2.5
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	< 0.1	&lt										

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 ³	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	2.2 J	< 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	11 BJ	5.8 BJ	< 3.2	4.2 J+	< 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	10 J	15.0 J	10.9	11.3	12.8	< 11.8	22.2 J	< 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	3.4 BJ	< 2.8	< 2.8	0.90 J+	< 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	970	550	570	670	940	210	1900	2150	2150	2120	4000	1780	3540	2090	2840
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	13	8.4 J	6.6 BJ	7.8 J	12	2.3 J	25 J	26.7	29.2	30.2	27.9	19.7 J	43.8	15.8 J	37.8 J
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	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-5D2 165.8 - 170.8 ft 04/23/2024	MW-5D2 ³ 165.8 - 170.8 ft 04/23/2024	MW-5D2 165.8 - 170.8 ft 10/24/2024	MW-5D3 225 - 235 ft 11/28/2012	MW-5D3 225 - 235 ft 01/18/2013	MW-5D3 225 - 235 ft 02/13/2013	MW-5D3 225 - 235 ft 04/16/2013	MW-5D3 225 - 235 ft 07/17/2013	MW-5D3 225 - 235 ft 10/07/2013	MW-5D3 225 - 235 ft 04/16/2014	MW-5D3 225 - 235 ft 10/20/2014	MW-5D3 225 - 235 ft 04/13/2015	MW-5D3 225 - 235 ft 10/21/2015	MW-5D3 225 - 235 ft 04/12/2016	MW-5D3 225 - 235 ft 07/20/2016	MW-5D3 225 - 235 ft 10/12/2016	MW-5D3 225 - 235 ft 11/19/2017	MW-5D3 225 - 235 ft 04/12/2017	MW-5D3 225 - 235 ft 10/04/2017	MW-5D3 225 - 235 ft 04/03/2018
VOCS																							
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	< 0.11	< 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	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 0.10
1,1,2-Trichloroethane	0.5	5		< 1.8 UJ	35 J	< 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	< 0.1	< 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
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	< 0.06	< 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
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
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
1,2-Dichloropropane	0.5	5		< 2.1	< 2.1	< 12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.1	< 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
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
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
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	< 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
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
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 BJ	15 BJ	< 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
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
Bromochloroform	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
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
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	0.080 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
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
Chloroform	0.6	6		4.6 J	2.8 J	< 18	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.37	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062	< 0.062
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+
cis-1,2-Dichloroethene	7	70		15	14	29 J	3.1	12	12	1.6	2.1	4.5	< 0.12	< 0.12	< 0.12	< 0.41	0.19 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
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
Dichlorodifluoromethane	200	1000		< 3.4	< 3.4	< 15	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.20	< 0.54	< 0.11	< 0.11	0.11 J	< 0.11	< 0.11	< 0.11	< 0.11
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
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
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	0.06 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
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	0.17 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
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
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
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	< 0.10
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
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
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
Styrene	10	100		< 1.9	< 1.9	< 6.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
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	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Tetrachloroethene	0.5	5		4200	4300	5900	19	0.59 J	0.83 J	1.8	0.78 J	1.5	< 0.17	< 0.17	< 0.17	< 0.37	0.14 J	< 0.081	0.10 J	0.22 J	< 0.081	0.25 BJ	< 0.081
Toluene	160	800		< 0.76	< 0.76	< 16	< 0.11	< 0.11	< 0.11	0.29 J	0.53	0.20 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.15	0.080 J	< 0.053	< 0.053	0.15 J	0.17 BJ	< 0.053
trans-1,2-Dichloroethene	20	100		< 1.7	< 1.7	< 18	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.35	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11

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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	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	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	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	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
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	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	PREVENTIVE	ENFORCEMENT	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S ³	MW-6S	MW-6S	MW-6S ³	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S ⁽³⁾	MW-6S	
SCREEN INTERVAL (feet bgs)	ACTION LIMIT	STANDARD	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			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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	< 0.13	< 0.13	< 0.13	< 0.13	< 0.39	< 0.14	< 0.14	< 0.14	NA	< 0.14	< 0.14	NA	< 0.71	NA	< 0.71	NA	< 0.86	
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21											

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 ²	MW-6D	MW-6D ²	MW-6D	MW-6D ²	MW-6D	MW-6D ²
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	
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	
n-Hexane	120																					

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	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-6D 65.5 - 70.5 ft 10/15/2018	MW-6D 65.5 - 70.5 ft 04/11/2019	MW-6D ³ 65.5 - 70.5 ft 04/11/2019	MW-6D 65.5 - 70.5 ft 10/11/2019	MW-6D 65.5 - 70.5 ft 10/15/2020	MW-6D ³ 65.5 - 70.5 ft 10/15/2020	MW-6D 65.5 - 70.5 ft 04/15/2021	MW-6D ⁽³⁾ 65.5 - 70.5 ft 04/15/2021	MW-6D 65.5 - 70.5 ft 10/14/2021	MW-6D 65.5 - 70.5 ft 04/25/2022	MW-6D 65.5 - 70.5 ft 10/21/2022	MW-6D 65.5 - 70.5 ft 4/13/2023	MW-6D ³ 65.5 - 70.5 ft 4/13/2023	MW-6D 65.5 - 70.5 ft 10/12/2023	MW-6D 65.5 - 70.5 ft 04/24/2024	MW-6D 65.5 - 70.5 ft 10/23/2024	MW-7 24 - 35 ft 08/26/2011	MW-7 24 - 35 ft 04/10/2012	MW-7 24 - 35 ft 01/14/2013	MW-7 24 - 35 ft 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 ³	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	
SCREEN INTERVAL (feet bgs)	ACTION LIMIT	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			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
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	< 0.25	< 0.25	< 0.25	< 0.31	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.31	< 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	< 0.1						

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

WELL ID	PREVENTIVE	ENFORCEMENT	MW-9D	MW-9D	MW-9D	MW-9D ³	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D ³	MW-9D	MW-9D2	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	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
VOCs																							
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	< 0.27	< 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	< 0.28	< 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	< 0.20	< 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	< 0.24	< 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	< 0.31	< 0.47	< 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	< 0.18	< 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	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	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	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	< 0.074	< 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	< 0.17	< 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	< 0.28	< 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	< 0.31 *	< 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	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	< 0.26	< 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	< 0.34	< 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	< 0.20	< 0.37	< 0.062
Chloromethane	3	30	4.7	< 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	< 0.18	< 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	12	11	14	16	16	18	19	24	26	32	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	< 0.15	< 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	< 0.20	< 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	< 0.13	< 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	< 0.14	< 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	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	20	10	12	15	9.6	12	17	24	18
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	8.8	< 0.68	< 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	< 0.16	< 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	< 0.13	< 0.39	< 0.14
n-Hexane	120	600	< 0.21	< 0.21	< 1.7	< 1.7	< 1.7	< 1.5	< 1.5	< 0.49 JJ	< 0.49 JJ	< 0.16	NA	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	< 0.13	< 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	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	< 0.17	< 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	< 0.15	< 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	< 0.10	< 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	< 0.14	< 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	29	10	26	28							

Appendix E: Historical Groundwater Analytical Results Summary
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WELL ID	PREVENTIVE	ENFORCEMENT	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2	MW-9D2 ³	MW-9D2	MW-9D2	MW-9D2	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	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	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	< 0.10	< 0.1	< 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	< 0.10	< 0.1	< 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	34	31	35	1.0 B	1.5	32	1.7	53	54	64.1	50.7	103	103	10.5 J </										

Appendix E: Historical Groundwater Analytical Results Summary
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Notes on Page 68.

Appendix E: Historical Groundwater Analytical Results Summary
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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	0.92 J	1.1	0.88 J	< 0.62	0.85 J	1.1	1.3 J	< 0.62	1.4 J	0.73 J	< 1.4	< 0.56	< 0.14	< 0.24	< 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	4.3 BJ	< 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	540	450	460	460	430	480	450	440	360	220	97	50	26	17.5	10.9	18.4	28
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 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³	MP-13	MP-13 ³
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	10/12/2015	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	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	&lt																							

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-13 121 - 125 ft 12/04/2012	MP-13 ³ 121 - 125 ft 12/04/2012	MP-13 121 - 125 ft 01/18/2013	MP-13 121 - 125 ft 02/20/2013	MP-13 121 - 125 ft 04/17/2013	MP-13 121 - 125 ft 07/22/2013	MP-13 121 - 125 ft 10/07/2013	MP-13 121 - 125 ft 04/16/2014	MP-13 121 - 125 ft 10/14/2014	MP-13 121 - 125 ft 04/14/2015	MP-13 121 - 125 ft 10/16/2015	MP-13 121 - 125 ft 10/10/2016	MP-13 121 - 125 ft 10/03/2017	MP-13 121 - 125 ft 10/09/2018	MP-13 121 - 125 ft 10/08/2019	MP-13 121 - 125 ft 10/12/2020	MP-13 121 - 125 ft 10/11/2021	MP-13 121 - 125 ft 10/17/2022	MP-13 121 - 125 ft 10/9/2023	MP-13 121 - 125 ft 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-13 135 - 139 ft 12/04/2012	MP-13 135 - 139 ft 01/17/2013	MP-13 135 - 139 ft 02/20/2013	MP-13 135 - 139 ft 04/17/2013	MP-13 135 - 139 ft 07/22/2013	MP-13 135 - 139 ft 10/07/2013	MP-13 135 - 139 ft 04/16/2014	MP-13 135 - 139 ft 10/14/2014	MP-13 135 - 139 ft 04/14/2015	MP-13 135 - 139 ft 10/16/2015	MP-13 135 - 139 ft 10/10/2016	MP-13 135 - 139 ft 10/03/2017	MP-13 135 - 139 ft 10/09/2018	MP-13 135 - 139 ft 10/08/2019	MP-13 135 - 139 ft 10/12/2020	MP-13 135 - 139 ft 10/11/2021	MP-13 135 - 139 ft 10/17/2022	MP-13 135 - 139 ft 10/9/2023	MP-13 135 - 139 ft 10/21/2024	MP-13 163 - 167 ft 12/04/2012	MP-13 163 - 167 ft 01/16/2013	MP-13 163 - 167 ft 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		1.5 J	< 1.6	NA	< 3.1	< 3.1	< 1.6	< 3.1	< 3.1	< 3.1	< 3.9	< 14	< 7	< 7.0	0.40 J	< 0.24	< 14.6	< 23.3	< 2.0	< 4.6	< 1.6	0.97 J	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	1.1 J	NA	< 0.74	< 0.74	< 0.37	< 0.74	< 0.74	< 0.74	< 1.5	< 8.9	< 4.5	< 4.5	< 0.25	< 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		56 J+	< 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	46 BJ	11 J+	< 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		1100	910	NA		540	420	380	370	330	410	170	87	190	150	166	97.6	85.9	88.8	110	85	970	730	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		1900	2300	NA		3800	4200	6500	5200	6300	5700	5500	2000	4100	3800									

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	< 0.20	< 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	460	200	170	180	160	150	33	3.8	3.6	5.8	23.2	15.3	22.7	27.2	29	27	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Di-isopropyl ether	NE	NE	< 0.3	< 0.15	< 0.15	< 0.30	< 0.30	< 0.15	< 0.28	< 0.30	< 0.15	< 0.30	< 1.9	< 1.9	< 1.1	< 2.8	< 0.28	< 2.2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Dichlorodifluoromethane	200	1000	< 0.4	< 0.2	< 0.2	< 0.40	< 0.40	< 0.20	< 0.54	< 0.22	< 0.11	< 0.22	< 0.50	< 0.50	< 0.46	< 1.1	< 0.67	< 0.60	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	
Ethylbenzene	140	700	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.18	< 0.11	< 0.054	< 0.11	< 0.22	< 0.32	< 0.33	< 0.81	< 0.18	< 0.29	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Isopropylbenzene	NE	NE	< 0.28	< 0.14	< 0.14	< 0.28	< 0.28	< 0.14	< 0.39	< 0.16	< 0.081	< 0.16	< 0.39	< 1.7	< 1.0	< 2.5	< 0.39 J-	< 0.31	< 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	< 0.11	< 0.057	< 0.11	< 0.47	< 0.47	< 0.70	< 1.8	< 0.18	< 0.71	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	12	60	< 0.48	< 0.24	< 0.24	< 0.48	< 0.48	< 0.24	< 0.39	< 0.28	< 0.14	< 0.28	< 1.2	< 1.2	< 1.1	< 2.8	< 0.39	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24 *	
Methylene chloride	0.5	5	< 1.4	< 0.68	< 0.68	< 1.4	< 1.4	< 0.68	< 1.6	< 0.28	< 0.14	< 0.28	< 0.58	< 0.58	< 0.32	< 0.80	< 1.6	< 1.9	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Naphthalene	10	100	< 0.32	< 0.16	< 0.16	< 0.32	< 0.32	< 0.16	< 0.34	< 0.18	< 0.088	< 0.18	< 1.2	< 1.2	< 1.1	< 2.8	< 0.34	< 2.0	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
n-Butylbenzene	NE	NE	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.39	< 0.28	< 0.14	< 0.28	< 0.71	< 0.71	< 0.86	< 2.1	< 0.39	< 0.47	< 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	< 0.42	< 0.21	< 0.42	< 1.7	< 1.7	< 1.5	< 3.7	< 0.49 UJ	< 0.33	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NE	NE	< 0.26	< 0.13	< 0.13	< 0.26	< 0.26	< 0.13	< 0.41	< 0.20	< 0.1	< 0.20	< 0.81	< 0.81	< 0.35	< 0.86	< 0.41	< 0.37	< 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	< 0.12	< 0.058	< 0.12	< 0.26	< 0.26	< 0.35	< 0.87	< 0.22	< 0.23	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NE	NE	< 0.34	< 0.17	< 0.17	< 0.34	< 0.34	< 0.17	< 0.36	< 0.17	< 0.085	< 0.17	< 0.80	< 0.80	< 1.0	< 2.6	< 0.36	< 0.37	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
sec-Butylbenzene	NE	NE	< 0.3	< 0.15	< 0.15	< 0.30	< 0.30	< 0.15	< 0.40	< 0.26	< 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			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	< 0.60	< 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	< 1.3	< 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	0.80 BJ	< 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	< 0.62	0.10 J+	< 0.62	< 5.1	< 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	12 BJ	< 1.6	< 0.16	3.4 J+	< 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	12	8.1	4.3	13	12	16	13	13	12 B	12	11	17	17	15.6	13.8	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	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	1.2 J	< 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	5.2 J+	< 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	22	21	22	19	24	22	30	30	32	34	29	22	46.7	32	19
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	32	27	1.2	9.2	520	520	640	630	890	640 E	690	730	840	920	654	531	1430 J+	1000	840
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	1.8	1.4	< 0.19	0.78	42	37	37	33	46	40	57	58	60	64	54.6	49	99	73	50
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 88 - 92 ft 01/22/2013	MP-15 88 - 92 ft 04/15/2013	MP-15 88 - 92 ft 07/22/2013	MP-15 88 - 92 ft 10/08/2013	MP-15 88 - 92 ft 04/15/2014	MP-15 88 - 92 ft 10/16/2014	MP-15 88 - 92 ft 04/14/2015	MP-15 88 - 92 ft 10/15/2015	MP-15 88 - 92 ft 10/10/2016	MP-15 88 - 92 ft 10/03/2017	MP-15 88 - 92 ft 10/09/2018	MP-15 88 - 92 ft 10/08/2019	MP-15 88 - 92 ft 10/13/2020	MP-15 88 - 92 ft 10/12/2021	MP-15 88 - 92 ft 10/18/2022	MP-15 88 - 92 ft 10/10/2023	MP-15 88 - 92 ft 10/22/2024	MP-15 100 - 105 ft 01/22/2013	MP-15 100 - 105 ft 04/15/2013	MP-15 100 - 105 ft 07/22/2013	MP-15 100 - 105 ft 10/08/2013	MP-15 100 - 105 ft 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	120 - 125 ft
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	< 0.70	< 0.70	< 0.80	< 12	< 6
Tetrachloroethene	0.5	5	930	790	850	910	820	990	867	581	710 J+	1050	580	770	1100	1900	2100	1800	2000	2300	1700	2200	2900	2300
Toluene	160	800	< 0.22	< 0.11																				

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	< 0.13	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																				

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	9.5	10	5.4	10	6.4	7	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	0.76 J	< 0.17	< 0.17	0.76 J	0.56 J	<																

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
VOCs																								
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	20	1.2	< 0.074	< 0.15	< 0.15	< 0.15	< 0.37	< 0.29	< 4.5	< 8.9	< 2.2	< 1.8	< 4.5	< 4.5	< 2.2	< 2.2	< 4.5	< 2.5	< 2.5
Bromodichloromethane	0.06	0.6	< 0.42	< 0.37	< 0.19	< 0.34	< 0.34	< 0.17	< 0.34	< 0.34	< 0.34	< 0.85	< 0.74	< 3.9	< 7.7	< 1.9	< 1.5	< 3.9	< 3.9	< 1.9	< 1.9	< 3.9	< 3.6	< 3.6
Bromoform	0.44	4.4	< 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	< 0.70	< 0.80	< 6.0	< 12	< 3.0	< 2.4							

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

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-17 160 - 170 ft 10/15/2020	MW-17 160 - 170 ft 04/15/2021	MW-17 ⁽³⁾ 160 - 170 ft 04/15/2021	MW-17 160 - 170 ft 10/14/2021	MW-17 160 - 170 ft 04/25/2022	MW-17 160 - 170 ft 10/21/2022	MW-17 ³ 160 - 170 ft 10/21/2022	MW-17 160 - 170 ft 4/13/2023	MW-17 160 - 170 ft 10/12/2023	MW-17 160 - 170 ft 04/24/2024	MW-17 160 - 170 ft 10/23/2024	MW-18S 20 - 30 ft 11/28/2012	MW-18S 20 - 30 ft 12/18/2012	MW-18S 20 - 30 ft 12/19/2012	MW-18S 20 - 30 ft 12/28/2012	MW-18S 20 - 30 ft 01/03/2013	MW-18S 20 - 30 ft 01/15/2013	MW-18S 20 - 30 ft 01/15/2013	MW-18S 20 - 30 ft 01/31/2013	MW-18S 20 - 30 ft 02/12/2013	MW-18S 20 - 30 ft 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	NA	< 0.25	NA	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	NA	< 0.2	NA	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	NA	< 0.28	NA	NA	< 0.56
1,2-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	NA	< 0.31	NA	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	NA	< 0.14	NA	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	NA	< 0.36	NA	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	NA	< 0.27	NA	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	NA	< 0.28	NA	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	NA	< 0.2	NA	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	NA	< 0.24	NA	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	NA	< 0.31	NA	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	NA	< 0.18	NA	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	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	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	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	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	NA	0.46 J	NA	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	NA	< 0.17	NA	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	NA	< 0.28	NA	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	NA	< 0.31	NA	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	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	NA	< 0.26	NA	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	NA	< 0.34	NA	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	NA	2.3	NA	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	< 2.3	< 0.9	NA	NA	NA	NA	NA	< 0.18	NA	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	3.9	6.7 J	NA	150	NA	NA	NA	NA	NA	40	NA	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	NA	< 0.15	NA	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	NA	< 0.2	NA	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	NA	< 0.13	NA	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	NA	< 0.14	NA	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	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	NA	< 0.24	NA	NA	< 0.48
Methylene chloride	0.5	5		< 0.58	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 1.6	< 1.6	< 2.4 U	< 1.6	< 9.4	< 3.4	NA	NA	NA	NA	NA	< 0.68	NA	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	NA	< 0.16	NA	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	NA	< 0.13	NA	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	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	NA	< 0.13	NA	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	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	NA	< 0.17	NA	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	NA	< 0.15	NA	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	NA	< 0.1	NA	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	NA	< 0.14	NA	NA	< 0.28
Tetrachloroethene	0.5	5		696	616	645	823	452	1010	766	950	810	310	830	3300	NA	NA	NA	NA	NA	690	NA	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	NA	< 0.11	NA	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	NA	2.6	NA	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	NA	59	NA	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	NA	< 0.19	NA	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	NA	< 0.1	NA	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	NA	< 0.068	NA	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	NA	NA</

\\madison-vfp\Records\1\WPMSN\JT2\638916\0000\00002\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	PREVENTIVE	ENFORCEMENT	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	
SCREEN INTERVAL (feet bgs)	ACTION	STANDARD	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 ft	20 - 30 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	LIMIT		02/28/2013	03/12/2013	04/19/2013	07/17/2013	10/09/2013	04/22/2014	10/23/2014	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	12/19/2012	12/27/2012	
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</			

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

WELL ID	PREVENTIVE	ENFORCEMENT	MW-19D	MW-19D	MW-19D	MW-19D ¹	MW-19D	MW-19D ¹	MW-19D	MW-19D	MW-19D ¹	MW-19D	MW-19D ¹	MW-19D	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2	MW-19D2
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	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			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	< 0.70	< 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	< 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	< 0.90	< 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	< 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	< 0.90	< 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	< 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	< 0.70	< 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	< 0.80	< 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																						

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 ²	MW-19D2 ¹	MW-19D2	MW-19D2	MW-19D2 ¹	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
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	03/12/2013	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	12/19/2012
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
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
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
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
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
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
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
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
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
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
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
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
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	< 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
Bromodichloromethane	0.06	0.6	NA	< 0.34	NA	< 0.34	< 0.85	< 0.34	< 0.34	< 0.85	< 0.34	< 0.85	< 0.85	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
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
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	< 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
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
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
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
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
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
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
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
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
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	< 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
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
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
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
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	< 0.26	NA	< 0.26	< 0.65	< 0.26	< 0.26	< 0.26	< 0.65	< 0.26	< 0.65	NA	NA	NA	NA	NA	NA	NA
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	< 0.34	NA	< 0.34	< 0.85	< 0.34	< 0.34	< 0.34	< 0.85	< 0.34	< 0.85	NA	NA	NA	NA	NA	NA	NA
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
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
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
Tetrachloroethene	0.5	5	NA	1300	NA	1400	1000	820	1200	950	1900	620	1600	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
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
Trichloroethene	0.5	5	NA	150	NA	150	130	< 0.38	110	120	170	11	170	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
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
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
Total PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Solids																				
Total Dissolved Solids (mg/L)	NE	NE	1500	1500	1500	NA	NA	NA	NA	NA	NA	NA	920	990	5000	16000	10000	4800	2500	3100
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.

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 ¹	MW-20D	MW-20D ¹	MW-20D ¹	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

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

WELL ID			MW-20D2	MWV-20D2	MWV-20D2	MWV-20D2	MWV-20D2	MWV-20D2	MWV-20D2	MWV-20D2	MWV-20D2 ¹	MWV-20D2	MWV-20D2	MWV-20D2 ^{1,3}	MWV-20D2	MWV-20D2 ¹	MWV-20D2 ¹	MWV-20D2 ¹	MWV-20D2	MWV-20D2 ¹		
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft	110 - 140 ft		
SAMPLE DATE	ACTION LIMIT	STANDARD	12/17/2012	12/18/2012	12/19/2012	12/27/2012	01/02/2013	01/16/2013	01/16/2013	01/30/2013	02/12/2013	02/12/2013	02/12/2013	02/12/2013	02/28/2013	03/12/2013	04/18/2013	07/17/2013	10/15/2013	04/15/2014	10/22/2014	
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	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	30	< 0.12	1.4	< 0.60	12	
Di-isopropyl ether	NE	NE	NA	NA	NA	NA	NA	NA	< 0.15	NA	NA	NA	< 0.15	NA	< 0.15	NA	< 0.15	< 0.75	< 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	190	NA	700	NA	NA	24	NA	490	1100	53	380	1600	740	
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	7.9	NA	NA	< 0.19	NA	5.3	41	< 0.19	4.5	2.7	11	
Trichlorofluoromethane	698	3490	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA	NA	< 0.19	NA	< 0.19	< 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.																						

Notes on Page 68.

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 ¹	MW-21D	MW-21D ¹	MW-21D ¹	
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 ¹	MW-21D2	MW-21D2 ¹	MW-21D2 ¹
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	01/31/2013	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	1.4	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
Bromoform	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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Appendix E: Historical Groundwater Analytical Results Summary
Madison-Kipp Corporation
Madison, Wisconsin

WELL ID			MW-21D2	MW-21D2	MW-21D2	MW-21D2 ¹	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-22D	MW-22D ³	MW-22D
SCREEN INTERVAL (feet bgs)	PREVENTIVE	ENFORCEMENT	110 - 170 ft	110 - 170 ft	110 - 170 ft	110 - 170 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	45 - 50 ft
SAMPLE DATE	ACTION LIMIT	STANDARD	07/18/2013	10/15/2013	04/15/2014	10/23/2014	01/15/2013	03/07/2013	04/19/2013	07/16/2013	10/10/2013	04/09/2014	10/20/2014	04/09/2015	10/20/2015	10/14/2016	10/06/2017	01/15/2013	01/15/2013	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	< 0.25	< 0.46	< 0.11	< 0.11	< 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	< 0.2	< 0.20	< 0.20	< 0.20	< 0.38	< 0.10	< 0.1	< 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	< 0.28	< 0.35	< 0.10	< 0.1	< 0.28	NA
1,1-Dichloroethene	0.7	7	< 1.6	< 0.62	< 1.6	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.14	< 0.14	< 0.31	NA
1,2,4-Trimethylbenzene	96	480	< 0.7	< 0.28	< 0.70	< 0.14	0.86 J	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.36	< 0.060	< 0.06	< 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	< 0.36	< 0.39	< 0.13	< 0.13	< 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	< 0.27	< 0.33	< 0.076	0.11 J	< 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	< 0.28	< 0.39	< 0.078	< 0.078	< 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	< 0.2	< 0.20	< 0.20	< 0.20	< 0.43	< 0.10	< 0.1	< 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	< 0.24	< 0.46	< 0.045	< 0.045	< 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	< 0.31	< 0.34	< 0.077	0.08 BJ	< 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	< 0.18	< 0.25	< 0.075	< 0.075	< 0.18	NA
2-Butanone	800	4000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 3	NA	NA
2-Hexanone	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 0.95	< 0.95	NA
4-Methyl-2-pentanone	50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 0.77	< 0.77	NA
Acetone	1800	9000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 3.4	11 J	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	< 0.074	< 0.15	< 0.089	< 0.089	< 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	< 0.17	< 0.37	< 0.077	< 0.077	< 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	< 0.28	< 0.48	< 0.088	< 0.088	< 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 *	< 0.31	< 0.80	< 0.59	< 0.59	< 0.31	NA
Carbon disulfide	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	< 0.053	< 0.053	NA
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	< 0.26	< 0.38	< 0.038	< 0.038	< 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	< 0.34	< 0.47	< 0.25	< 0.25	< 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	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	< 0.18	< 0.32	0.72 J	3	5.2	0.47 J
cis-1,2-Dichloroethene	7	70	220	110	110	1.3	1.8	NA	6.1	3.8	97	46	58	65	32	46	38 J-	37	3.6	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	< 0.15	< 0.28	< 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	< 0.20	< 0.54	< 0.11	< 0.11	< 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	< 0.13	< 0.18	< 0.054	< 0.054	< 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	< 0.14	< 0.39	< 0.081	< 0.081	< 0.14	NA
m,p-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 0.057	< 0.057	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 *	< 0.24	< 0.39	< 0.14	< 0.14	< 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	< 0.68	< 1.6	< 0.14	< 0.14	< 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	< 0.16	< 0.34	< 0.088	< 0.088	< 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	< 0.13	< 0.39	< 0.14	< 0.14	< 0.13	NA
n-Hexane	120	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 0.21	< 0.21	NA
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	< 0.13	< 0.41	< 0.10	< 0.1	< 0.13	NA
o-Xylene	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 0.058	< 0.058	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	< 0.17	< 0.36	< 0.085	< 0.085	< 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	< 0.15	< 0.40	< 0.13	< 0.13	< 0.15	NA
Styrene	10	100	< 0.5	< 0.2	< 0.50	< 0.10	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.10	< 0.10	< 0.10	< 0.39	< 0.065	< 0.065	< 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	< 0.14	< 0.40	< 0.12	< 0.12	< 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
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	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	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
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	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	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	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	< 0.033
Aroclor-1232	0.003	0.03	NA	NA	NA	NA	< 0.49	13	< 0.19	< 0.19	< 0.20	< 0.20	NA	NA	NA	NA	< 0.037	< 0.037	< 0.092	2.6
Aroclor-1242	0.003	0.03	NA	NA	NA	NA	< 0.69	< 0.099	< 0.19	4.7	< 0.19	7.1	NA	NA	NA	NA	< 0.038	< 0.038	< 0.13	< 0.1
Aroclor-1248	0.003	0.03	NA	NA	NA	NA	< 0.58	< 0.099	< 0.19	< 0.19	< 0.19	< 0.20	NA	NA	NA	NA	2	1.9	< 0.11	< 0.1
Total Detected PCBs	0.003	0.03	NA	NA	NA	NA	12	13	4	4.7	12	7.1	NA	NA	NA	NA	2	1.9	2.4	2.6
Dissolved PCBs																				
Aroclor-1016	0.003	0.03	NA	NA	NA	NA	NA	< 0.037	< 0.068	< 0.065	< 0.063	< 0.067								

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

WELL ID	SCREEN INTERVAL (feet bgs)	PREVENTIVE ACTION LIMIT	ENFORCEMENT STANDARD	MW-22D 45 - 50 ft 04/19/2013	MW-22D ³ 45 - 50 ft 04/19/2013	MW-22D 45 - 50 ft 07/16/2013	MW-22D ³ 45 - 50 ft 07/16/2013	MW-22D 45 - 50 ft 10/10/2013	MW-22D ³ 45 - 50 ft 04/09/2013	MW-22D 45 - 50 ft 04/18/2014	MW-22D ³ 45 - 50 ft 04/18/2014	MW-22D 45 - 50 ft 10/16/2014	MW-22D ³ 45 - 50 ft 10/16/2014	MW-22D 45 - 50 ft 04/09/2015	MW-22D ³ 45 - 50 ft 04/09/2015	MW-22D 45 - 50 ft 06/10/2015	MW-22D 45 - 50 ft 07/20/2015	MW-22D 45 - 50 ft 10/20/2015	MW-22D ³ 45 - 50 ft 10/20/2015	MW-22D 45 - 50 ft 01/22/2016	MW-22D 45 - 50 ft 04/21/2016	MW-22D 45 - 50 ft 07/20/2016	MW-22D 45 - 50 ft 10/14/2016
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	NA	NA	< 0.46	< 0.46	< 0.11	< 2.2	< 0.55	< 0.44
1,1,1-Trichloroethane	40	200		< 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	< 0.50	< 0.40
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	NA	NA	< 0.35	< 0.35	< 0.10	< 2.0	< 0.50	< 0.40
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	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56
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	NA	NA	< 0.36	< 0.36	< 0.060	< 1.2	< 0.30	< 0.24
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	NA	NA	< 0.39	< 0.39	< 0.13	< 2.6	< 0.65	< 0.52
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	NA	NA	< 0.33	< 0.33	< 0.076	< 1.5	< 0.38	< 0.30
1,2-Dichloroethane	0.5	5		< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	< 0.39	< 0.39	< 0.078	< 1.6	< 0.39	< 0.31
1,2-Dichloropropane	0.5	5		< 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	< 0.50	< 0.40
1,2,3-Trichlorobenzene	NE	NE		< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	< 0.46	< 0.46	< 0.045	< 0.90	< 0.23	< 0.18
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	NA	NA	< 0.34	< 0.34	< 0.077	< 1.5	< 0.39	< 0.31
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	NA	NA	< 0.25	< 0.25	< 0.075	< 1.5	< 0.38	< 0.30
2-Butanone	800	4000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.0	< 60	< 15	< 12
2-Hexanone	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.95	< 19	< 4.8	< 3.8
4-Methyl-2-pentanone	50	500		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.77	< 15	< 3.9	< 3.1
Acetone	1800	9000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.4	< 68	< 17	< 14
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	< 0.15	< 0.15	< 0.089	< 1.8	< 0.45	< 0.36
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	NA	NA	< 0.37	< 0.37	< 0.077	< 1.5	< 0.39	< 0.31
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	NA	NA	< 0.48	< 0.48	< 0.088	< 1.8	< 0.44	< 0.35
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	NA	NA	< 0.80	< 0.80	< 0.59	< 12	< 3.0	< 2.4
Carbon disulfide	200	1000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.053	9.2 J	< 0.27	< 0.21
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	NA	NA	< 0.38	< 0.38	< 0.038	< 0.76	< 0.19	< 0.15
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	NA	NA	< 0.47	< 0.47	< 0.25	< 5.0	< 1.3	< 1.0
Chloroform	0.6	6		< 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	2.4 BJ	< 0.31	< 0.25
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	NA	NA	< 0.32	< 0.32	< 0.16	< 3.2	< 0.80	3.4 J
cis-1,2-Dichloroethene	7	70		4.9	4.9	3.7	3.7	< 0.12	4.0	2.6	2.5	4.2	4.9	4.2	4.4	NA	NA	4.0	3.9	3.9	3.6 J	3.8	5.6
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	NA	NA	< 0.28	< 0.28	< 0.15	< 3.0	< 0.75	< 0.60
Dichlorodifluoromethane	200	1000		< 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	< 0.55	< 0.44
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	NA	NA	< 0.18	< 0.18	< 0.054	< 1.1	< 0.27	< 0.22
Isopropylbenzene	NE	NE		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.39	< 0.39	< 0.081	< 1.6	< 0.41	< 0.32
m,p-Xylene	400	2000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.057	< 1.1	< 0.29	< 0.23
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	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56
Methylene chloride	0.5	5		< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	6.6	7.1	< 0.68	< 0.68	NA	NA	< 1.6	< 1.6	< 0.14	< 2.8	< 0.70	< 0.56
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	NA	NA	< 0.34	< 0.34	< 0.088	< 1.8	< 0.44	< 0.35
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	NA	NA	< 0.39	< 0.39	< 0.14	< 2.8	< 0.70	< 0.56
n-Hexane	120	600		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.21	< 4.2	< 1.1	< 0.84
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	NA	NA	< 0.41	< 0.41	< 0.10	< 2.0	< 0.50	< 0.40
o-Xylene	400	2000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.058	< 1.2	< 0.29	< 0.23
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	NA	NA	< 0.36	< 0.36	< 0.085	< 1.7	< 0.43	< 0.34
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	NA	NA	< 0.40	< 0.40	< 0.13	< 2.6	< 0.65	< 0.52
Styrene	10	100		< 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	< 0.33	< 0.26
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	NA	NA	< 0.40	< 0.40	< 0.12	< 2.4	< 0.60	< 0.48
Tetrachloroethene	0.5	5		450	430	270	310	190	190	430	450	250	270	170	190	NA	NA	140	160	220	140	130	92
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	NA	NA	< 0.15	< 0.15	< 0.053	< 1.1	< 0.27	0.48 J
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	NA	NA	< 0.35	< 0.35	0.23 J	< 2.2	< 0.55	< 0.44
Trichloroethene	0.5	5		5.8	5.7	5	5.3	4.9	5.3	6.8	6.7	5.7	6.9	5.6	5.7	NA	NA	5.4	5.7	6.1	5.6 J	5.7	4.4
Trichlorofluoromethane	698	3490		< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.50	< 10	< 2.5	< 2.0
Vinyl chloride	0.02	0.2		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.92	< 0.10	< 0.10	0.68	0.66	0.62	< 0.10	NA	NA	0.66	0.74	< 0.16	< 3.2	0.85 J	2.2
Xylenes, Total	400	2000		< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	&lt														

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

WELL ID	PREVENTIVE	ENFORCEMENT	MW-22D	MW-22D	MW-22D	MW-22D ³	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S ³	MW-23S	MW-23S ³	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
VOCs																						
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	1.8	< 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	0.80 J	< 0.45	< 0.45	0.73	< 0.074	< 0.074	< 0.074	NA	< 0.074	< 0.074	< 0.074	< 0.074	< 0.15	< 0.36	< 0.18	< 0.18	< 0.45	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	1.1 J	< 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	4.9 J	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	14	26	47	47	< 0.12	3.7	29	27	NA	16	16	19	20	9.6	12	15	33	33	< 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	1.3 BJ	< 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	120	120	120 B	120 B	290	580	420	240	NA	130	210	190	190	360	66	88	120 B	120 B	100	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	5.2 B	6.3	9.4	9.4	0.64	1.4	20	17	NA	15	11	11	10	5.9	7.2	9.1	7.8	7.6	< 0.19	NA
Trichlorofluoromethane	698	3490	< 2.5	< 2.5	< 2.5	< 2.5	< 0.19	< 0.19	< 0.19	&lt												

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 ³	MW-23D	MW-23D ³	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
VOCs																						
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	2.2 BJ	< 0.062	< 0.062	1.1 BJ	1.1 J	< 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	3.2 BJ	< 1.6	< 0.16	1.5 J	4.3 J	< 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	0.57 J	< 2.8	< 0.70	< 0.14	1.8 BJ	< 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	86	NA	170	160	190	190	220	84	170	130	160	160	140	140	140	130 B	130 B	3	3	3.3
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 ³	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	STANDARD	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 ³	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
VOCs																						
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	< 0.13	< 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	0.51 J	< 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	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1.7	< 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	0.86 J	< 0.17	0.66 J	0.51 J	0.55	0.37 J-	0.33 J	0.36 J	< 0.33 U	< 0.33	< 0.41	< 0.41	< 0.37	0.76 J	< 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	&												

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 ²	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
VOCs																						
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	0.44 J	< 0.053	< 0.053	< 0.053	< 0.37	< 0.37	< 0.37	< 1.1	< 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	< 1.1	< 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	0.12 J	< 0.062	< 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	< 0.1																	

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

WELL ID			MW-25D2	MW-25D2	MW-25D2	MW-25D2	MW-25D2 ³	MW-25D2	MW-25D2	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-27D	MW-27D ³	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	MW-27D	
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	0.55 J	< 0.37	< 0.37	< 0.37	< 0.40															

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 ³	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
VOCS																							
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	< 0.37	< 0.45	< 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	8.4	< 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 ¹	MW-27D2	MW-27D2	MW-27D2	MW-27D2 ³	MW-27D2	MW-27D2	MW-27D2 ¹	MW-27D2	MW-27D2	MW-27D2 ²	MW-27D2	MW-27D2	MW-27D2 ²	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	< 0.25</																	

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 ³
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								

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Madison-Kipp Corporation
Madison, Wisconsin

WELL ID	PREVENTIVE	ENFORCEMENT	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S ¹	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S	MW-29S	MW-29D	MW-29D	MW-29D	MW-29D	MW-29D	MW-29D	MW-29D	MW-29D	MW-29D
SCREEN INTERVAL (feet bgs)	ACTION LIMIT	STANDARD	24 - 34 ft	24 - 34 ft	24 - 34 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	24.6 - 34.4 ft	45 - 50 ft	45 - 50 ft	45.2 - 50.2 ft	45.2 - 50.2 ft	45.2 - 50.2 ft	45.2 - 50.2 ft	45.2 - 50.2 ft	45.2 - 50.2 ft	45.2 - 50.2 ft
SAMPLE DATE			04/05/2018	10/16/2018	4/12/2019	10/15/2019	10/15/2019	7/20/2020	10/18/2020	04/15/2021	10/18/2021	04/28/2022	10/24/2022	04/05/2018	10/16/2018	04/12/2019	10/15/2019	7/20/2020	10/15/2020	04/16/2021	10/18/2021	10/24/2022
VOCs																						
1,1,1,2-Tetrachloroethane	7	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	40	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	96	480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	0.005	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	14	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	96	480	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.06	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	0.44	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	80	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	0.6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	3	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-isopropyl ether	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	140	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	160	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	698	3490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	400	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs																						
Aroclor-1016	0.003	0.03	< 0.035	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072 J-	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.035	< 0.0072	< 0.0072	< 0.0072	< 0.0072 J-	< 0.0072	< 0.0072	< 0.0072	< 0.0071
Aroclor-1232	0.003	0.03	< 0.037	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042 J-	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.037								

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

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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.

Eurofins Chicago

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.

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: 500-249662-1

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
Tetrachloroethene	6.2		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
Tetrachloroethene	59		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
Trichloroethene	0.66		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

Eurofins Chicago

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
Tetrahydrofuran	9.4	J B ^c	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
Trichloroethene	42		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
Tetrachloroethene	4200		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
Naphthalene	3.0		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
N-Propylbenzene	5.9		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
p-Isopropyltoluene	1.3		1.0	0.36	ug/L			05/07/24 14:48	1
sec-Butylbenzene	2.0		1.0	0.40	ug/L			05/07/24 14:48	1
Styrene	0.63	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
Toluene	7.6		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
Trichloroethene	5.7		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
Xylenes, Total	3.6		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
Benzene	190		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
Methyl tert-butyl ether	5.6		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
Tetrachloroethene	270	E	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
Trichloroethene	46		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
Vinyl chloride	0.71	J	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
Tetrachloroethene	170		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
Tetrachloroethene	32		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
Trichloroethene	1.8		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
Tetrachloroethene	42		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
Trichloroethene	5.8		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
1,1,2-Trichloroethane	35		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
Chloroform	2.8 J		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
cis-1,2-Dichloroethene	14		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

Eurofins Chicago

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
Tetrahydrofuran	9.7	J ^c 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
Trichloroethene	42		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
Tetrachloroethene	4300		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

Eurofins Chicago

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
[^] 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
[^] 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 (75-126)	BFB (72-124)	DBFM (75-120)	TOL (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 (53-129)	TCX2 (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 (53-129)	TCX2 (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	MB							
	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 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

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD 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 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

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 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

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

¹ 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

- 1
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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

Client Contact		Project Manager: Andy Stehn		Site Contact: Andy Stehn		Date: 04/25/2024		COC No	
Email astehn@trccompanies.com		Tel/Fax: 608-807-8112		Lab Contact: Sandie Fredrick		Carrier: FedEx		1 of 2 COCs	
TRC Environmental		Analysis Turnaround Time		 500-249662 COC				TALS Project #	
999 Fourier Dr Ste 101		☐ CALENDAR DAYS ☐ WORKING DAYS						Sampler <i>Tom Perkins</i>	
Madison, WI 53717		TAT if different from Below _____						For Lab Use Only:	
608-234-7374 Phone		☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day						Walk-in Client Lab Sampling	
Project Name MKC Sem-Annual Sampling								Job / SDG No	
Site Madison Kipp								500-249662	
P O # 215524									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
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 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	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							2 1 1 1		
Possible Hazard Identification: 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)		
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months		
Special Instructions/QC Requirements & Comments:									
2.6+2.2									
Custody Seals Intact ☐ Yes ☐ 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>	

Environment & Planning
Americas

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		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:						
		TAT if different from Below _____						Walk-in Client						
Project Name: MKC Sem-Annual Sampling		☒ 2 weeks						Lab Sampling						
Site: Madison Kipp		☐ 1 week												
P O # 215524		☐ 2 days						Job / SDG No.						
		☐ 1 day						500-2491002						
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	PCBs	TSS	TDS	Sample Specific Notes	
MW-27D 202404	10/23/24	13 35	G	GW	3	N			x					
MP-14 (135-140)-202404	10/22/24	15 00	G	GW	3	N			x					
MP-16 (140-144)-202404	10/22/24	14 05	G	GW	3	N			x					
DUP-01-202404	10/23/24	--	G	GW	4	N				x	x	x		
DUP-02-202404	10/23/24	--	G	GW	3	N			x					
DUP-03-202404	10/24/24	--	G	GW	3	N			x					
FB-01-202404	10/24/24	1610	G	W	3	N			x					
TRIP BLANK	--	--	--	W	2	N			x					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other									2	1	1	1		
Possible Hazard Identification: 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)							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months							
Special Instructions/QC Requirements & Comments:														
Custody Seals Intact ☐ Yes ☐ 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 BEA		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
(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.

Eurofins Chicago

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.

Eurofins Chicago

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

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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
Tetrachloroethene	190		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
trans-1,2-Dichloroethene	0.81	J	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
Trichloroethene	43		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
Vinyl chloride	1.0	J	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

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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

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
Tetrachloroethene	12		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
Trichloroethene	0.90 J		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
Tetrachloroethene	550		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
Trichloroethene	86		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
Tetrachloroethene	550		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
Trichloroethene	61		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
Tetrachloroethene	310		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
Trichloroethene	24		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
Tetrachloroethene	2100		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
Trichloroethene	130		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
Tetrachloroethene	200		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
Trichloroethene	19		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
Tetrachloroethene	0.40	J	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
Tetrachloroethene	27		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
Trichloroethene	1.4		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
Tetrachloroethene	840		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
Trichloroethene	50		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

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
Tetrachloroethene	160		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
Trichloroethene	13		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
Tetrachloroethene	770		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
Trichloroethene	45		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
Tetrachloroethene	820		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
Trichloroethene	46		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

Eurofins Chicago

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
Tetrachloroethene	1000		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
Trichloroethene	62		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
Tetrachloroethene	2.6		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
Tetrachloroethene	36		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
Trichloroethene	4.0		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

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
Tetrachloroethene	47		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
Trichloroethene	7.4		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
Tetrachloroethene	3.4		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
Trichloroethene	0.46 J		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
Tetrachloroethene	28		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
trans-1,2-Dichloroethene	0.67 J		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
Trichloroethene	22		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
Vinyl chloride	1.2		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
Tetrachloroethene	7.2		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
Tetrachloroethene	340		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
Trichloroethene	15		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

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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

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
Tetrachloroethene	62		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
Trichloroethene	0.77 J		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

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
Tetrachloroethene	360		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
Trichloroethene	27		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
Tetrachloroethene	280		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
Trichloroethene	3.5		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
Tetrachloroethene	5900		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
Trichloroethene	72		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
Tetrachloroethene	33		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
m-Xylene & p-Xylene	4.2	J	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
n-Butylbenzene	1.6	J	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
N-Propylbenzene	5.4		4.0	0.74	ug/L			11/05/24 13:13	4
o-Xylene	0.68	J	4.0	0.46	ug/L			11/05/24 13:13	4
p-Isopropyltoluene	1.2	J	4.0	0.74	ug/L			11/05/24 13:13	4
sec-Butylbenzene	4.1		4.0	0.82	ug/L			11/05/24 13:13	4
Styrene	0.84	J	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
Toluene	13		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
Trichloroethene	4.7		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
Xylenes, Total	4.9		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
Tetrachloroethene	830		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
Trichloroethene	42		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
Tetrachloroethene	0.76	J	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
Tetrachloroethene	0.99	J	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
Trichloroethene	1.5		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
Tetrachloroethene	9.3		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
Trichloroethene	6.0		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
Tetrachloroethene	760		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
Tetrachloroethene	0.97	J	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
Trichloroethene	1.6		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
Tetrachloroethene	350		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
Trichloroethene	16		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
Tetrachloroethene	6.4		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

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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

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
Tetrachloroethene	630		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
o-Xylene	0.22	J	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
Xylenes, Total	0.22	J	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 (70-127)	BFB (78-120)	TOL (80-125)	DBFM (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 (70-127)	BFB (78-120)	TOL (80-125)	DBFM (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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
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 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 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

Analysis Data: 0.0001

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				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		

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 %Recovery	MSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Eurofins Chicago

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

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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-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

Eurofins Chicago

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

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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

- 1
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Eurofins Chicago
2417 Bond Street

Chain of Custody Record

eurofins
Environment Testing
America

University Park, IL 60484-3101
phone 708.534.5200 fax 708.534.5211

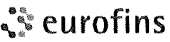
Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

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		1 of 4 COCs		
999 Fourler Dr Ste 101		Tel/Fax: 608-807-8112						TALS Project #:		
Madison, WI 53717		Analysis Turnaround Time						Sampler:		
608-234-7374 Phone		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:		
		TAT If different from Below _____						Walk-in Client		
Project Name: MKC Sem-Annual Sampling		☐ 2 weeks						Lab Sampling:		
Site: Madison Kipp		☐ 1 week								
P O # 215524		☐ 2 days						Job / SDG No		
		☐ 1 day						500-2591162		
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
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		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							2			
Possible Hazard Identification: 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)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months			
Special Instructions/QC Requirements & Comments:										
1.3+13										
Custody Seals Intact. ☐ Yes ☐ 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: EETA		Date/Time: 10/26/24 10:15

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2417 Bond Street

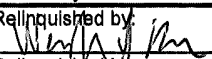
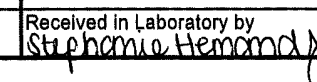
Chain of Custody Record

 **eurofins**
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		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:		
		TAT If different from Below _____						Walk-In Client		
Project Name MKC Sem-Annual Sampling		☐ 2 weeks						Lab Sampling		
Site: Madison Klpp		☐ 1 week								
P O # 215524		☐ 2 days						Job / SDG No.		
		☐ 1 day						500-2591162		
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.
13	MP-15 (120-125)-202410	10/22/24	10 00	G	GW	3	N	x		
14	MP-15 (142-146)-202410	10/22/24	9 40	G	GW	3	N	x		
15	MP-15 (177-187)-202410	10/22/24	9:10	G	GW	3	N	x		
16	MP-16 (106-116)-202410	10/22/24	12 40	G	GW	3	N	x		
17	MP-16 (140-144)-202410	10/22/24	12 00	G	GW	3	N	x		
18	MP-16 (175-179)-202410	10/22/24	11 40	G	GW	3	N	x		
19	MW-01-202410	10/24/24	17 19	G	GW	3	N	x		
20	MW-02D-202410	10/25/24	11 51	G	GW	3	N	x		
21	MW-03D-202410	10/24/24	14 17	G	GW	3	N	x		
22	MW-03D2-202410	10/24/24	15:16	G	GW	3	N	x		
23	MW-03D3-202410	10/24/24	14:05	G	GW	9	N	Y	x	
24	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: 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)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months			
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact ☐ Yes ☐ No Custody Seal No _____ Cooler Temp. (°C) Obs'd: _____ Corr'd: _____ Therm ID No _____										
Relinquished by: 		Company: 		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: 		Company: EETA		Date/Time: 10/26/24 1015

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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		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		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:		
		TAT If different from Below _____						Walk-In Client:		
Project Name MKC Sem-Annual Sampling		☐ 2 weeks						Lab Sampling:		
Site: Madison Klpp		☐ 1 week								
P O # 216524		☐ 2 days						Job / SDG No.:		
		☐ 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: 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)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months			
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact ☐ Yes ☐ No										
Relinquished by:		Company: TRC		Date/Time: 10/25/24 16:30		Received by:		Company: EEPA		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: Stephanie Hemminger		Company:		Date/Time:

Eurofins Chicago
2417 Bond Street

Chain of Custody Record

eurofins
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		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		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:		
		TAT If different from Below _____						Walk-In Client:		
Project Name MKC Sem-Annual Sampling		☐ 2 weeks						Lab Sampling:		
Site: Madison Klipp		☐ 1 week								
P O # 216524		☐ 2 days						Job / SDG No.		
		☐ 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: 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)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months			
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact ☐ Yes ☐ No										
Custody Seal No.:										
Cooler Temp. (°C) Obs'd: _____ Corr'd: _____ Therm ID No: _____										
Relinquished by:		Company:		Date/Time:		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:

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
(920)261-1660

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Certification Summary 17

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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
PCB-1248	230		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
PCB-1260	26		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 (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 (53-129)	TCX2 (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 (53-129)	TCX2 (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 Matrix: Solid 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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

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

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

FLIGHT - 23.700 LB 3.77M
CAD 0780307/CAF83755

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 -09 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

இவ் வணிகத் துறை

[illegible]

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

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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
(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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- 11
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- 14
- 15

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 (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 (53-129)	TCX2 (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	%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	%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	%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

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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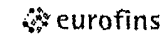
Eurofins Pittsburgh

301 Alpha Drive RIDC Park

Pittsburgh PA 15238

Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record



Environmental Testing

Client Information		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>		 500-259482 COC																																																																																					
City: <u>Madison</u>		TAT Requested (days): <u>Standard</u>																																																																																							
State Zip: <u>WI 53717</u>		Compliance Project: ☐ Yes ☐ 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#:																																																																																							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oi)	Field Filtered Samples (Yes or No)				Total Number of Containers				Special Instructions/Note:																																																																											
						8082A_LL PCB				8082A_LL PCB-LL																																																																															
						Preservation Code																																																																																			
1	110124-MH-1A	11/01/24	1256	G	Solid			X																																																																																	
2	110124-outfall-S	↓	1330	G	Solid			X																																																																																	
3	110124-outfall-W	↓	1328	G	Water				X																																																																																
Possible Hazard Identification															Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																																										
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological															☐ Return To Client ☐ Disposal By Lab ☐ 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/HE</u>														
Relinquished by:															Date/Time:															Company															Received by:															Date/Time:															Company														
Custody Seals Intact. ☐ Yes ☐ 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

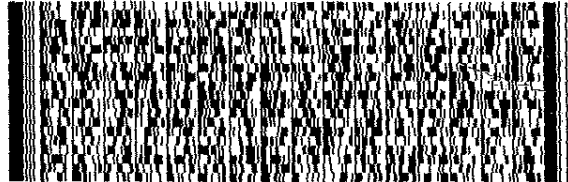
PITTSBURGH PA 15238

(262) 202-5955

REF:

DEPT

RMA. III 5955 011



Fed
Express



024382407040

FedEx

SATURDAY 12:00P

TRK#
0221

4221 9521 9470

PRIORITY OVERNIGHT

X0 AGCA

15238

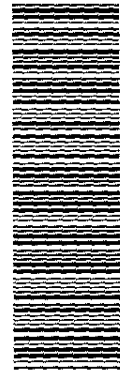
PA-US **PIT**

Uncorrected temp 3.9 °C
Thermometer ID 25
CF to.1 Initials PM
PT-WI-SR-001 effective 11/8/18



5BCJ62D2B1C5C4

RT **639**
FZ
12:00
9470
11 02



500-259482 Waybill

Pat # 156237-435-PRD82 EXP 10/25

အောက်ဖော်ပြပါအတိုင်း ဖော်ပြပါ

[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	