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***Electronic Submittal***

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Subject: Groundwater Monitoring Report  
Aramark Uniform & Career Apparel, LLC (AUCA)  
400 North West Street, Sikeston (Scott County), Missouri 68301  
TRC #255308

Dear Mr. Bobbitt:

On behalf of AUCA, TRC Environmental Corporation (TRC) is submitting the enclosed Groundwater Monitoring Report for review and comment by the Missouri Department of Natural Resources, under the Superfund Cooperative Program. The report summarizes the installation of 12 additional groundwater monitoring wells during June 2021, quarterly groundwater sampling activities conducted between June 2021 and March 2022, and the replacement of well MW-03ID (with well MW-03IDR) during March 2022.

Please contact me at 608-279-7496 or [jtweddale@trccompanies.com](mailto:jtweddale@trccompanies.com) if you have questions.

Sincerely,

TRC

John B. Tweddale, PG (WI, IL, IN), CHMM  
Project Manager

Enclosure

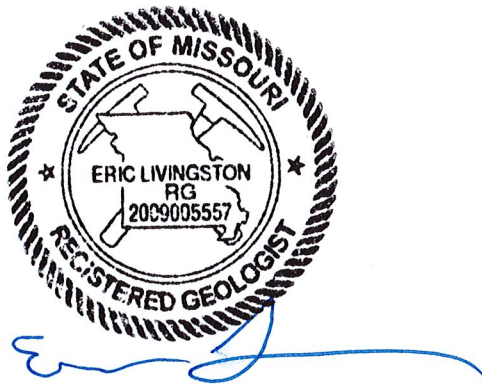
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# Groundwater Monitoring Report

**Aramark Uniform**  
**400 North West Street**  
**Sikeston (Scott County), Missouri 63801**

Revision 0  
June 2022



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Senior Geologist

## Prepared For:

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## 1.0 Introduction

### 1.1 Background

On behalf of Aramark Uniform and Career Apparel, LLC (AUCA), TRC Environmental Corporation (TRC) has prepared this Groundwater Monitoring Report for property located in northwest Sikeston (Scott County), Missouri (**Figure 1**). For the purposes of this report, the “Site” consists of the AUCA Property at 400 North West Street and the Sikeston Board of Municipal Utilities (BMU) Property [REDACTED] (**Figure 2**).

A more detailed Site history was included in the June 2018 draft Remedial Investigation (RI) Report (TRC, 2018), and key points are included in this section. The AUCA Property was previously operated as a commercial laundry by Todd Uniform (Todd) beginning in approximately 1968. In addition to water washing of linens and uniforms, Todd performed limited dry cleaning of leather gloves and jackets. Tetrachloroethene (PCE) was used as a dry-cleaning solvent between approximately 1968 and the early 1970s, before Todd switched to petroleum-based solvents (a.k.a., mineral spirits or Stoddard solvent). AUCA acquired the Todd business in 1995 and continues to operate a commercial water-wash business at this location (AUCA, 2014). There are no longer any dry-cleaning operations at the AUCA Property.

The BMU's Plant #3 [REDACTED] (**Figure 2**), with two active, high-capacity supply wells (CW-08 and CW-13) [REDACTED]

[REDACTED] In 2006, dissolved chlorinated volatile organic compounds (CVOCs) were detected in samples from CW-08, and CVOCs [including PCE and its typical breakdown products trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE)] have periodically been detected at low concentrations since 2006. The PCE concentration at CW-08 exceeded the Safe Drinking Water Act (SDWA) maximum contaminant level (MCL) of 5 micrograms per liter (µg/L) twice in 2009 but has remained less than the MCL since. PCE and TCE were detected at low levels (<1 µg/L) at CW-13 between April and October 2021, but the two most recent sampling rounds (January and May 2022) did not show CVOC detections. There have been no MCL exceedances at CW-13. Low concentrations of PCE, TCE, and cis-1,2-DCE (< 1.2 µg/L per compound) were reported from the Plant 3 treated water beginning in October 2021 (see Section 3.3.1).

A Preliminary Assessment and a Site Investigation were conducted by the Missouri Department of Natural Resources (MDNR 2013; MDNR 2015). These assessments identified the AUCA Property as a potential source of CVOCs detected at CW-08. Between 2016 and 2018, AUCA completed a phased soil and groundwater investigation at the AUCA Property and BMU Property to characterize the nature and extent of contaminants at the Site. The ongoing RI and future Feasibility Study (FS) work are being conducted as part of the MDNR's Cooperative Program, consistent with the U.S. Environmental Protection Agency's (USEPA's) Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, a.k.a. Superfund) regulations and associated guidance. The results of the 2016 to 2018 investigation activities, including a Screening Level Ecological Risk Assessment (SLERA) and draft Human Health Risk Assessment (HHRA), are summarized in the draft RI Report (TRC, 2018).

In an April 20, 2020 “Draft Informal Comments” email from the MDNR and during a July 28, 2020, technical meeting in Jefferson City, the MDNR, Missouri Geological Survey (MGS), and Missouri Department of Health and Senior Services (DHSS) stated that the draft RI and HHRA are not complete. The MGS requested additional permanent wells to define the horizontal and vertical extent of the CVOC plume on the AUCA and BMU Properties. In a September 23, 2020 email, the MDNR notified AUCA that the Natural Resource Damages (NRD) group had reviewed the SLERA and agreed with TRC’s conclusion that there is little risk to ecological resources. Therefore, no further ecological risk assessment is required.

To address the MDNR’s request for additional permanent monitoring wells, TRC submitted a “Revised Work Plan for Additional Groundwater Monitoring Wells” in January 2021 (TRC, 2021a), which included a groundwater sampling plan, and responded to November 2020 MGS technical comments related to static water levels, groundwater sampling procedures, and hydraulic conductivity testing (TRC, 2021b). The MDNR approved the Revised Work Plan in March 2021, and TRC directed and documented the well installation in June 2021.

Monitoring well installation and groundwater sampling activities were completed consistent with the MDNR-approved work plans. The sampling results obtained throughout the investigation have been presented to the MDNR in data-only updates following each monitoring event, and annual Groundwater Monitoring Reports (GWMRs) (see Section 7 for references). The GWMRs include summaries of the work completed during the reporting period, an evaluation of the data collected, updates to the Conceptual Site Model (CSM), and recommendations for further action.

## 1.2 Purpose

This GWMR summarizes the work performed at the Site since the submittal of the 2020 GWMR (TRC, 2021c), including installation of twelve additional groundwater monitoring wells on the AUCA and BMU Properties during June 2021; quarterly groundwater sampling completed on the AUCA and BMU Properties between June 2021 and March 2022; and the abandonment and reinstallation of one intermediate depth well (MW-03ID/MW-03IDR) in March 2022. The latest groundwater monitoring data are incorporated into an updated evaluation of natural attenuation and the CSM, and recommendations are made for ongoing Site monitoring.

## 1.3 Scope

This report consists of seven sections, including:

- **Section 1** describes the background, purpose, and scope.
- **Section 2** describes the activities performed during the monitoring period.
- **Section 3** provides a summary of the data collected during the monitoring period.
- **Section 4** presents an updated evaluation of natural attenuation at the Site.
- **Section 5** presents an updated CSM.
- **Section 6** summarizes findings, conclusions, and recommendations based on the data.
- **Section 7** provides a list of references.

## 2.0 Site Activities

This section describes the technical activities conducted between June 2021 and March 2022. The well installation, monitoring, and sampling tasks were performed consistent with the previous Groundwater Monitoring Report (TRC, 2021c), the Site Investigation Work Plan (TRC, 2016a), Site Investigation Work Plan Addendum for Off-Site Sampling (TRC, 2016b), and the Quality Assurance Project Plan (QAPP; TRC, 2017).

### 2.1 Monitoring Well Installation

TRC directed the installation of twelve additional groundwater monitoring wells (MW-03IS, MW-03ID, MW-06IS, MW-08IS, MW-08ID, MW-16, MW-17, MW-18IS, MW-18ID, MW-19, MW-20, and MW-21) on the AUCA and BMU properties in June 2021 consistent with the approved Work Plan (TRC, 2021a). Well locations are shown in **Figure 2**. The new monitoring wells were installed using roto sonic drilling methods, and soil samples were collected continuously from the deepest associated soil boring at each well cluster location. The soil samples were field screened with photoionization detector (PID), and visually logged. The monitoring wells were constructed, developed, and surveyed consistent with MDNR Code of State Regulations 10 CSR 23-4. In addition to surveying the newly installed monitoring wells, wells MW-13IS and MW-13ID were re-surveyed consistent with the Work Plan. The soil boring logs, well construction forms, and corrected logs for wells MW-13IS and MW-13ID were submitted to the MDNR with the data-only transmittal for the June 2021 groundwater sampling event (TRC, 2021d). All water levels previously collected from wells MW-13IS and MW-13ID have been updated to reflect the corrected reference elevations for these wells.

During the initial installation of MW-03ID, bentonite seal materials became bridged in the conductor pipe after grouting commenced. This required the drill crew to pull the well pipe and screen, overdrill the hole to clean out the well materials, and re-set the well casing. While the well appeared to be sound during well development, field measurements of pH and specific conductance collected during subsequent monitoring events indicated that the groundwater adjacent to the well was affected by grout. After several attempts to re-develop and sample the well, well MW-03ID was abandoned and replaced in April 2022 as MW-03IDR.

### 2.2 Groundwater Monitoring

During this reporting period, TRC performed four quarterly groundwater monitoring events at the AUCA Property and BMU Property in June 2021, September 2021, December 2021, and March 2022. The June 2021 monitoring event was performed in conjunction with the monitoring well installations described in Section 2.1. The March 2022 monitoring event was conducted in conjunction with the abandonment and re-installation of well MW-03ID (replaced with MW-03IDR).

During three events (June and December 2021; and March 2022), 22 of the 34 Site monitoring wells were sampled; and during the remaining event (September 2021) all 34 wells were sampled. During each event, samples were analyzed for VOCs and field measurements were collected for water elevation, pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity. In the September 2021 event, groundwater samples from all of the wells were also analyzed for monitored natural attenuation (MNA) parameters including dissolved metals (iron and manganese), sulfate, and nitrogen (as nitrate + nitrite). Site-wide

synoptic water level measurements were collected during each of the groundwater monitoring events.



## 3.0 Summary of Observation and Monitoring Data

### 3.1 Monitoring Well Installation

The soil boring logs and well construction forms for the newly installed monitoring wells, as well as corrected logs for wells MW-13IS and MW-13ID were previously submitted to the MDNR in the June 2021 data transmittal (TRC, 2021d), and copies are included in **Appendix A** for reference. **Appendix A** also includes a boring log and well construction form for replacement well MW-03IDR.

The soil samples collected during this investigation were found to be consistent with historical Site soil sampling data. The alluvial aquifer is comprised of predominantly fine- to medium-grained sand in the upper 100 feet, generally coarsening downward to sand and gravel overlying an eroded clay layer with a variable topography ranging from 150 to more than 200 feet below ground surface (bgs). As expected during the drilling of the new monitoring wells, a layer of fine sand with silt (previously defined as >80% #40 sieve or finer based on grain size analyses) was encountered below the water table starting between approximately 70 and 85 feet bgs. Similar to the previous investigations, lignite coal was observed occasionally in the unconsolidated sand between the water table (28 to 30 feet bgs) and approximately 65 feet bgs. The new soil boring log data and well screen intervals are shown in updated geologic cross sections -- **Figure 3** and **Figure 4**. Note that the cross sections only include data from the permanent monitoring wells and show a deeper fine sand with silt layer that was identified during previous well installations (i.e., at MW-06A and MW-08A). As requested by the MDNR, groundwater sampling data from the 2016-2017 vertical profile (i.e., temporary) borings are no longer shown in the cross sections, but those data helped to define the locations and screened intervals for the permanent wells.

### 3.2 Groundwater Elevation Measurements and Groundwater Flow

Measuring static water levels at this Site is challenging because of the unpredictable nature of high-capacity pumping at BMU wells CW-08 and CW-13 which impacts groundwater levels. Groundwater elevation measurements were collected during each groundwater monitoring event, both as synoptic monitoring events, and in association with groundwater sample collection as described in Section 2.2. During the synoptic events, water levels were collected as rapidly as possible to represent a “snapshot” of groundwater flow conditions. Through 2019, each of the data points could be evaluated with respect to the BMU pumping records to interpret the wellfield conditions at the time of measurement; however, the BMU has since upgraded its data systems and is no longer able to provide detailed chart graphs showing the run times for each supply well. To the extent practicable, pumping conditions of the supply wells are observed and recorded in the field notes during water level measurement and sampling activities.

Groundwater elevation measurements collected during the reporting period are summarized in **Table 1**. Water table maps are presented in **Figure 5** through **Figure 7**. The BMU wellfield conditions (i.e., pumping vs. not pumping), if known, are indicated on the figure notes. While synoptic water level measurements were collected in March 2022, each of the supply wells (CW-08 and CW-13) were observed to be pumping intermittently during the measurement period; therefore, while the water level data are presented on the figure (**Figure 8**), the groundwater flow field was not considered stable, and no water table contours were generated for this event.

Groundwater flow conditions remained consistent with historical observations (e.g., TRC, 2018; TRC, 2019; and TRC, 2021c). Under non-pumping (or presumed non-pumping) conditions at BMU (e.g., **Figure 5**), groundwater flow is primarily to the west-southwest beneath the Site, with a horizontal hydraulic gradient ranging from approximately 0.001 to 0.002 ft/ft. There is an apparent northwest to southeast-trending groundwater divide in the vicinity of monitoring wells MW-12 and MW-09, where groundwater at the northeast portion of the AUCA Property appears to flow toward the north or northeast. When CW-13 (or CW-08 based on historical observations) are presumed to be pumping, groundwater flow beneath the AUCA Property shifts [REDACTED] (e.g., **Figure 6** and **Figure 7**).

Historical static water elevation data for each well are plotted in time-series graphs with the CVOC data in **Appendix B**. Water levels in all of the Site monitoring wells respond similarly to regional water-level trends. Over the measurement history, water elevations at each well vary seasonally by approximately 5 feet; the water elevations measured during this reporting period fall within historical ranges observed for each monitoring well.

Vertical hydraulic gradients at each of the well nests are included in **Appendix C** and summarized in **Table 2**. **Table 2** includes only measurements collected during synoptic water level measurement events and an interpretation of the wellfield conditions at the time of each measurement. Due to potential cycling of the municipal supply wells (on and off) during the synoptic measurement periods, the BMU wellfield conditions at the time of measurement (i.e., whether supply wells are pumping or not) can only be interpolated between direct observation of the supply wells prior to the start of measurements, direct observation while collecting measurements adjacent to each supply well, and direct observation immediately following the measurement event. At this time, limited water level data are available from the intermediate depth ("IS" and "ID") wells.

In general, vertical gradients under presumed non-pumping conditions range from near-flat to downward within the upper and intermediate portions of the aquifer (shallow, "IS", and "ID" wells), with gradients on the order of 0.0001 to 0.0100 ft/ft. On the AUCA property (well nests MW-02 and MW-03), the vertical gradients do not appear to be significantly affected by pumping at the BMU well field. On the BMU property, the observed downward gradients in the upper and intermediate aquifer zones increase in magnitude when the nearby municipal supply wells are pumping.

In the deep portion of the aquifer, consistent upward gradients on the order of 0.0010 to 0.0100 ft/ft have been observed from the deep ("A") wells to the intermediate ("ID") aquifer zone under non-pumping conditions. Under pumping conditions of the municipal supply wells, the upward gradients observed at the MW-08ID/MW-08A and MW-06IS/MW-06A locations appear to increase slightly, while gradients at nests MW-03ID/MW-03A and MW-13ID/MW-13A reverse to downward. MW-03A and MW-13A are screened at relatively shallow depths within or above the lower fine sand [REDACTED] while MW-06A and MW-08A are screened in a deeper coarse sand and gravel unit (**Figure 3**).

### 3.3 Groundwater Quality Monitoring

The groundwater analytical results for the monitoring wells are summarized in **Table 3** (VOCs), **Table 4** (MNA indicator parameters), and **Table 5** (field measurements). For convenience, the historical water sample results are included in the tables, and results from the most recent sample

event are highlighted in blue. Field sampling notes, laboratory data sheets, and the data validation report for the March 2022 sampling event are included in **Appendix D**; the laboratory data and validation reports for the June, September, and December 2021 events were submitted previously to the MDNR (TRC 2021d, 2021e, and 2022). Trend plots of CVOC concentrations over time for each of the monitoring wells are included in **Appendix B**. The analytical results reported during this reporting period were generally consistent with historical results. As noted in Section 2.1, well MW-03ID was determined to have been affected by grout; therefore, the results from this well are used with discretion in a detailed discussion of the analytical results. The following subsections discuss the distribution of the chemical parameters in the groundwater. An interpretation of the results in the context of natural attenuation is presented in Section 4.

### **3.3.1 Nature and Extent of VOCs in Groundwater**

PCE, TCE, and cis-1,2-DCE are the most commonly detected VOCs in Site groundwater (**Table 3**). The distribution of PCE in groundwater for each quarter is shown on **Figure 5** through **Figure 8**. As discussed in the draft RI Report (TRC, 2018), the TCE and cis-1,2-DCE plumes are similar in geometry to the PCE plume, only less extensive; therefore, PCE is used to show the plume extent. To date, vinyl chloride (VC) has not been detected in the Site groundwater (TRC, 2018).

The CVOC plume geometry has remained consistent since 2016. The plume as defined by the 5 µg/L MCL for PCE is relatively narrow (maximum 300 feet wide) and shallow (mostly limited to the 35-to-60-foot depth interval; TRC, 2018; TRC, 2019; TRC, 2021c), and extends approximately 900 feet downgradient from the historic dry-cleaning area near the northeast corner of the AUCA building.

PCE and TCE concentrations greater than the MCL have been detected as far downgradient as MW-08 (approximately 870 feet downgradient of the historic source area). Near the northeast corner of the AUCA building, some CVOC migration has occurred to the north, northeast, and east, likely due to the groundwater divide in the vicinity of MW-09 but does not appear to extend off-Site at concentrations greater than the MCLs, based on sample data collected through March 2022 from MW-01, MW-11, and MW-21 on the east side of the AUCA Property.

To date, the maximum CVOC concentrations within the groundwater plume have been reported at the western edge of the AUCA Property (MW-03) or beneath the AUCA building (MW-09), with a maximum PCE concentration of 1,320 µg/L detected at MW-09 during September 2020. CVOC concentrations at MW-03 have shown a generally decreasing trend over the monitoring history at this location (**Appendix B**), while concentrations at MW-09 exhibit higher variability. As discussed in the previous monitoring report (TRC, 2021c), the transient increases in CVOC concentrations observed at MW-09 are likely related to water level fluctuations and the presence of low concentrations of residual PCE (and its degradation products) in soil near the water table (i.e., smear zone) below the building, as documented in the draft RI Report (TRC, 2018). During this reporting period, site-wide water levels are nearer the lower end of the historical ranges observed, and the CVOC concentrations at MW-09 have returned to baseline levels of approximately 200 µg/L total CVOCs. The elevated CVOC concentrations reported at MW-09 are transient in nature (i.e., regional water level changes do not result in continuous elevated CVOC concentrations in groundwater), and they do not appear to affect CVOC trends in wells further downgradient (e.g., MW-03). However, the data from MW-09 may indicate the presence of residual CVOC mass at or above the water table below the AUCA building.

The CVOC plume is shown in cross section on **Figures 3 and 4**. No CVOCs have ever been detected in any of the deep ("A" suffix) monitoring wells, and CVOCs are only routinely detected in intermediate depth ("IS" and "ID" suffix) wells at distal portions of the plume (e.g., MW-08IS and MW-08ID). To date, there is no evidence to suggest the current or historic presence of a dense, non-aqueous phase liquid (DNAPL) at the Site, or that the dissolved phase plume extends vertically to the clay layer underlying the alluvial aquifer at depths of 150 feet or more. The observed downward spread of CVOCs in downgradient portions of the plume may be the result of influx of rainfall recharge to the water table (much of the BMU Property is not paved), water table fluctuations due to BMU supply well pumping or regional flooding, vertical migration (downward) due to pumping, or a combination of the above (TRC, 2018).

As shown in **Figure 3** for the MW-08 nest, groundwater data confirm downward migration of CVOCs through the upper fine sand zone. While PCE concentrations remain highest at the shallow well (MW-08, screened at approximately 45-50 feet bgs, with PCE at 22 µg/L in March 2022), total CVOC concentrations are highest immediately above the upper fine sand zone at well MW-08IS, which is screened at approximately 67-72 feet bgs. Concentrations of PCE (15 µg/L in March 2022) and TCE (34 µg/L in March 2022) both exceed the MCLs (5 µg/L) at this depth. Total CVOC concentrations decrease below the upper fine sand at well MW-08ID, which is screened at approximately 100-105 feet bgs. PCE, TCE and cis-1,2-DCE have all been detected at well MW-08ID; however, only TCE has exceeded the MCL. Concentrations of each of these parameters have shown a decreasing trend over time at MW-08ID, and there are no CVOCs that currently exceed MCLs at this depth (i.e., based on the March 2022 sampling event).

Intermediate depth sentinel monitoring wells have been installed immediately upgradient of BMU supply wells CW-13 (MW-13IS and MW-13ID installed in December 2019) and CW-08 (MW-18IS and MW-18ID installed in June 2021) to help monitor groundwater conditions deeper in the aquifer near the supply well intake areas. [REDACTED]

[REDACTED] To date, no CVOCs have been detected at the sentinel wells located directly upgradient of BMU well CW-13 and only one detection of TCE has been reported at one sentinel well located directly upgradient of BMU well CW-08 (0.068 ug/L at MW-18IS).

The BMU water supply wells were not sampled as a part of the AUCA investigation however, BMU staff collect samples from both supply wells and the water leaving Plant #3 on a quarterly basis for VOCs, and for other parameters as required under the SDWA. The BMU's quarterly VOC sampling results are generally available via public access to the MDNR's Drinking Water Watch webpage, or directly from staff in the MDNR's Public Drinking Water Branch. **Table 6** summarizes the most recent VOC data for the two active BMU wells and Plant #3 water discharge. Low concentrations of PCE and TCE (less than 2 µg/L) continue to be detected in some of the samples collected from well CW-08; however, there have been no exceedances of the MCLs (5 µg/L for PCE and TCE) at CW-08 since 2009. As discussed in Section 1.1, PCE and TCE were detected at low levels (<1 µg/L) at CW-13 between April and October 2021, but the two most recent sampling rounds (January and May 2022) did not show CVOC detections. There have been no MCL exceedances at CW-13.

Low concentrations of PCE, TCE, and cis-1,2-DCE (<1.2 µg/L per compound) have been reported from the Plant 3 treated water beginning in October 2021. TRC has been in contact with the BMU to discuss these detections. According to Jeff Winders and Chuck Thompson at the BMU, the standard water treatment processes at Plant #3 have not changed recently. [REDACTED]



### 3.3.2 Inorganic and Field Indicator Parameters

The inorganic and field indicator parameter results are consistent with the historical Site results. As shown in **Table 5**, the alluvial aquifer beneath the Site is mostly anoxic, with DO readings generally less than 1.0 milligram per liter (mg/L) in the shallow groundwater at most locations. Shallow groundwater at upgradient location MW-11 and side-gradient location MW-19 is more oxidizing than elsewhere at the Site, with multiple DO readings above 1 mg/L, and ranging up to almost 5 mg/L. DO measurements collected at the deep well locations are frequently greater than 1 mg/L. These data are inconsistent with the coincident ORP measurements and are likely due to air getting in the flow-through cell during measurement. TRC field personnel have noted bubbles in the cell, likely the result of the low flow rates and the relatively large diameter Waterra pump tubing.

ORP values generally range from slightly reducing (between 0 and -50 millivolts, or mV) to oxidizing (> 100 mV) in the upper 10 to 20 feet of the aquifer depending on the location relative to the CVOC plume. Shallow groundwater in the vicinity of wells MW-14, MW-15, MW-16, and MW-17 (located along the southwest and northwest margins of the plume), typically show more reducing conditions than within the plume itself, with ORP measurements ranging from approximately -175 to -50 mV. ORP values for the intermediate and deep wells also reflect reducing conditions, with values ranging from approximately -350 to -50 mV.

With the exception of well MW-03ID, field measurements of specific conductance (100 to 600 micromhos per centimeter, or  $\mu\text{mhos/cm}$ ) and pH (5 to 8 standard units, or SU) fall within ranges expected in natural waters (Hem, 1985). As discussed in Section 2.1, water sample results from well MW-03ID had pH measurements ranging from 9.1 to 12.5 S.U. and specific conductance ranging from 360 to over 7,000  $\mu\text{mhos/cm}$  due to grout in the screen zone. While both of these indicators were shown to be decreasing toward normal ranges over time, the well was replaced (MW-03IDR) to ensure that representative groundwater samples can be collected.

Compared to most groundwater samples collected within the alluvial aquifer, dissolved iron and manganese concentrations are elevated within the deep portions of the aquifer (e.g., the “A” wells), and in the shallow aquifer downgradient from where VOC concentrations are higher (e.g., on the BMU Property west of the MW-03 well cluster). In September 2021, iron concentrations exceeded the non-mandatory, secondary MCL (SMCL) at each sampled monitoring well location, except at MW-01, MW-02, MW-03, MW-03ID<sup>1</sup>, MW-09, MW-10, MW-11, and MW-19 on the AUCA property; concentrations of manganese exceed the SMCL at all sampled monitoring wells except wells MW-01, MW-02, MW-03, MW-03ID, MW-04, MW-09, MW-10, MW-11, MW-12, MW-19, and MW-21 on the AUCA Property, and MW-13 on the BMU Property. The elevated iron and manganese concentrations are likely due to the presence of manganese- and iron-reducing conditions related to biological activity in the groundwater. These reducing conditions result in dissolution of naturally occurring iron and manganese minerals in the aquifer matrix (TRC, 2018).

<sup>1</sup> The dissolved metals concentrations in groundwater are susceptible to pH. The low/non-detect results for iron and manganese at MW-03ID may reflect the influence of grout in the well screen and the resulting high pH of the sampled water.

Nitrogen (as nitrate + nitrite) is not generally present at concentrations greater than the laboratory detection limit, except in upgradient portions of the plume (e.g., MW-01, MW-02, MW-03, MW-09, MW-11, and MW-21 on the AUCA Property). This is consistent with the presence of manganese- or iron-reducing conditions present throughout most of the aquifer. Sulfate concentrations were fairly consistent across the Site, ranging from 7.1 to 35.3 mg/L (excluding well MW-03ID).

## 4.0 Evaluation of Natural Attenuation

Although the RI is not yet complete and remedial alternatives have not been evaluated, the final remedy will likely include some form of Site-wide MNA, so TRC plans to continue collecting indicator data approximately once a year. Natural attenuation consists of a variety of physical, chemical, or biological processes that reduce the mass, mobility, volume, or concentration of contaminants in soil or groundwater. The following subsections present an updated discussion of the plume geometry and aquifer geochemistry in relation to MNA, based on the past four quarterly sampling events.

### 4.1 Plume Behavior – PCE and Daughter Products

The chlorinated ethenes PCE, TCE, and cis-1,2-DCE comprise most of the CVOC plume (**Figure 3 through Figure 8** and **Table 3**). Lower concentrations of trans-1,2-DCE have been detected mostly near the historic source area and within the highest concentration portions of the plume (HCP), defined for the purposes of this Monitoring Report as where PCE is greater than 300 µg/L. The highest concentrations of PCE, TCE, and cis-1,2-DCE are usually found in the vicinity of well MW-03 at the western edge of the AUCA Property; however, as discussed in Section 3.3.1, regional water level fluctuations can result in transient increases in dissolved CVOCs below the AUCA building, as observed at MW-09 during May 2019 and September 2020. VC remains absent throughout the CVOC plume. Molar concentrations of the chlorinated ethenes in March 2022 are plotted vs. distance along the plume centerline<sup>2</sup> in **Figure 9**. Additional plots of the chlorinated ethenes with distance for each of the previous monitoring events are included in **Appendix E**. A summary of molar ratios calculated along the centerline of the plume during this reporting period is presented in **Table 7**.

The total concentration of PCE and its breakdown products (a.k.a. “total ethenes”) decreases consistently along the centerline of the plume from the HCP near MW-03 west to MW-13 (**Figure 9** and **Appendix E**). Transient increases in total ethenes observed at well MW-09 during the sampling events in May 2019 and September 2020 also support the overall decreasing trend with distance. Although total CVOC concentrations reported at wells MW-09 and MW-03 show a high degree of variability from sampling event to sampling event, concentrations of CVOCs at downgradient locations along the plume centerline have remained relatively stable (e.g., MW-06 and MW-08/MW-08IS/MW-08ID) or non-detect (MW-13, -13IS, and -13ID) (**Appendix E**).

Both the PCE and TCE concentrations decrease with distance downgradient from MW-03, and the ratio of PCE to TCE also decreases from approximately 10 to 0.5 along the plume centerline, indicating that degradation of PCE to TCE is occurring within the plume. Concentrations of cis-1,2-DCE also decrease with distance from MW-03 but the relative proportion of cis-1,2-DCE to PCE and TCE increases in downgradient portions of the plume (around well nest MW-06). These data also show that reductive dechlorination is occurring within the plume (**Table 7**). The relatively high concentrations of degradation products detected at MW-09 during May 2019 and September 2020 high-water sampling events likely represents ongoing degradation of PCE in the smear zone above the water table (**Appendix E**).

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<sup>2</sup> The plume centerline is defined as the location along the plume axis both laterally and vertically within the aquifer with the highest concentration of total CVOCs. At each well nest, the well with the highest concentration of CVOCs is used for the analysis.

Biotically-mediated reductive dechlorination is the only significant pathway that will generate cis-1,2-DCE from PCE or TCE (TRC, 2018) and is “incontrovertible evidence of chlororespiration within the plume” (Bradley, 2011). The relative absence of trans-1,2-DCE supports the interpretation that most of the cis-1,2-DCE in the groundwater was formed through biotically-mediated degradation of TCE (Waterloo Educational Services, 2000).

The absence of VC throughout the CVOC plume with the consistent downward trend of other CVOC compounds along the plume centerline indicates that degradation of cis-1,2-DCE is still occurring, but not through reductive dechlorination, which would result in VC and ethene. Aerobic co-metabolism is also an active component of the PCE degradation pathway (TRC, 2018; Wiedemeier et al., 1998). Oxidation and co-metabolism of cis-1,2-DCE can occur in an aerobic environment, as may be present in the upper portion of the aquifer, ultimately producing carbon dioxide (CO<sub>2</sub>). Further, abiotic dechlorination may also occur as PCE, TCE, and cis-1,2-DCE have been shown to degrade abiotically (directly to carbon dioxide and other oxidized products) in the presence of magnetite and other iron minerals common in most natural materials (Schaefer et al., 2015; Wiedemeier, 2017). Magnetite and other iron minerals are common in sediments derived from Precambrian igneous and metamorphic rocks that comprise the Canadian Shield and would be expected to occur in Mississippi River Valley alluvial deposits. The presence of these minerals in the aquifer matrix was documented in the draft RI Report (TRC, 2018).

In addition to decreasing concentrations with distance from the HCP, CVOC concentrations within the plume have generally remained stable between 2016 and 2022 (**Table 3**). Concentrations of the individual CVOCs at each monitoring well over time are shown in plots included in **Appendix B**. Except for MW-09, MW-07, and possibly MW-05, CVOC concentrations within the plume have remained stable or have decreased during the monitoring history.

At MW-09, CVOC concentrations appear to vary with regional fluctuations in water elevation. As discussed in Section 3.3.1, the transient increases in CVOC concentrations observed at MW-09 in May 2019 and September 2020 are likely the result of regional water table fluctuations, causing groundwater to come in contact with residual CVOCs in a smear zone. These two transient events are strong drivers to the apparent upward trend observed at this well.

CVOC concentrations at well MW-07 appeared stable through June 2021; however, CVOC concentrations have shown an increasing trend over the last 4 sampling events. Concentrations of PCE, TCE, and cis-1,2-DCE reported at well MW-07 all show a similar increase over this time period. The cause of this apparent increase is unknown but based on this well's location between the plume centerline and supply well CW-08, it may be related to preferential or increased pumping at CW-08. CVOC concentrations reported at BMU well CW-08 show a similar uptick over this reporting period (**Table 6**). It should be noted that the most recent PCE concentration reported at MW-07 (231 µg/L in March 2022) is still less than the PCE concentration reported in groundwater at co-located boring B-110 in March 2017 (360 µg/L).

The most recent sampling results for PCE at well MW-05 (166 µg/L, September 2021) represent a historic maximum at this location; however, PCE concentrations had been at a historic minimum (52 µg/L) in April 2020. Well MW-05 is located nearer the edge of the PCE plume and may be expected to exhibit more variability in VOC concentrations over time; however, similar increases were not observed at nearby well MW-06.

In the previous reporting period (TRC, 2021c) it was noted that PCE concentrations at MW-08 had exhibited an increasing trend over the monitoring history, while concentrations of degradation



products TCE and cis-1,2-DCE continued to decrease or remain stable. These data were interpreted to mean that downgradient portions of the plume may be shifting in response to pumping at CW-13 (which was brought online after installation in 2013) as the plume reaches a new equilibrium. The latest 4 quarters of monitoring data from well MW-08 as well as newly installed intermediate depth wells MW-08IS and MW-08ID show decreasing trends in all CVOCs at each location/depth, and well MW-08 now shows a decreasing trend for all parameters over its entire monitoring history.

As noted in Section 3.3.1, while no CVOCs have been detected in the sentinel well nest MW-13/MW-13IS/MW-13ID, low concentrations of PCE and TCE (below the MCL) have been reported in samples collected from BMU well CW-13 beginning in April 2021. These data indicate that while the overall plume geometry has remained similar since 2016, there appears to be some plume migration toward CW-13 in response to pumping at this supply well.

## 4.2 Geochemical Parameters

Reductive dechlorination and abiotic degradation of CVOCs appear to be occurring simultaneously within the plume. The distribution of certain MNA parameters in groundwater identified several geochemical footprints that are expected with both biotic and abiotic degradation processes. Chapelle et al. (2002) state that there are three types of geochemical parameters as they pertain to MNA monitoring:

1. **Redox-indicators** – these parameters include DO, ORP, and pH.
2. **Microbial activity indicators** – these include ions that are used (as terminal electron acceptors) by microbial activity in the groundwater, such as dissolved iron, dissolved manganese, nitrate, and sulfate.
3. **Degradation indicators** – these include daughter products or end-member breakdown products such as lower chlorinated CVOCs (e.g., TCE and DCE).

Predictable patterns/changes in the oxidative state of the geochemical parameters (MNA parameters) in groundwater can be expected with both reductive dechlorination and aerobic oxidation and co-metabolism. A parameter-by-parameter discussion of the inorganic MNA parameter results is presented below.

### 4.2.1 Dissolved Oxygen and Oxidation Reduction Potential

DO and ORP are measured at every groundwater sample point in the analytical program at the time of sample collection. Depleted levels of oxygen and low ORP can be an indication of increased biotic activity within the aquifer. The USEPA (Wiedemeier et al., 1998) MNA screening level for DO is < 0.5 mg/L in the most contaminated zone. With a few exceptions, DO readings indicate that DO is depleted (< 0.5 mg/L) everywhere within the aquifer. The range in DO values observed are generally within the expected level of accuracy of the measurement methods; therefore, no further evaluation of DO distribution was attempted.

The USEPA (Wiedemeier et al., 1998) screening criterion for ORP is < 50 mV for “possible” and < -100 mV for “likely” evidence for reductive dechlorination. The September 2021 monitoring well ORP and total CVOC data are plotted along the centerline of the plume in **Figure 10**. While most of the ORP measurements are greater than the USEPA screening criteria for reductive

dechlorination, the data show that the ORP measurements decrease along the centerline of the plume, indicating that reductive dechlorination is occurring within the plume. ORP measurements return to “background” of slightly oxidizing beyond the plume margins at well MW-13, likely due to infiltration of meteoric water and more variable water levels with proximity to CW-13.

#### **4.2.2 pH**

Groundwater pH measurements at the Site are within the optimal range for a reductive dechlorination pathway (5 to 9 SU; Wiedemeier, et al., 1998). The pH increases with depth everywhere at the Site, from around 5.5 SU in the shallow groundwater, to 7 to 8 SU in the deep portion of the aquifer. Similar to the ORP measurements, this pattern is likely due to infiltration of meteoric water (with low buffering capacity), and natural chemical reactions along the groundwater flow path.

#### **4.2.3 Nitrogen (Nitrate & Nitrite)**

Nitrogen (as nitrate + nitrite) meets the USEPA screening criteria of < 1 mg/L at nearly all measured wells at the Site. Nitrogen is routinely reported in wells in the upgradient portion of the Site, MW-01, MW-02, MW-03, and MW-09, with the highest concentrations of nitrogen measured at well MW-03 (1.3 mg/L, and up to 3.8 mg/L historically), coincident with the highest observed concentrations of CVOCs in the plume. Nitrogen has been less than detection limits at all locations downgradient of MW-03. Depletion of nitrate in the downgradient portion of the plume is an indication that nitrate is being utilized by microbial activity.

#### **4.2.4 Dissolved Iron**

Iron is naturally occurring in aquifer materials. In its oxidized (ferric,  $\text{Fe}^{+3}$ ) state, it is not very soluble, forming iron oxides (such as magnetite) or hydroxides. The presence of significant quantities of magnetite ( $\text{Fe}_3\text{O}_4$ ) in the aquifer material has been confirmed by the magnetic susceptibility readings from Site soil samples (TRC, 2018). In its reduced form, ferrous iron ( $\text{Fe}^{+2}$ ) compounds are more soluble in groundwater, resulting in an increase in measured dissolved iron concentrations.

Iron can serve as an electron acceptor in biologic activity, forming ferrous iron ( $\text{Fe}^{+2}$ ) compounds that are more soluble in water. Therefore, increasing concentrations of dissolved iron within and downgradient of the CVOc plume may be an indication of biologic activity than can be causing reductive dechlorination of CVOcs. Dissolved iron concentrations along the centerline of the CVOc plume are plotted in **Figure 11**, which shows a distinct increase in dissolved iron from approximately 296  $\mu\text{g/L}$  in relatively unaffected portions of the saturated zone (MW-01), to more than 14,000  $\mu\text{g/L}$  downgradient from the high concentration portion of the CVOc plume (MW-06, MW-07, and MW-08). The USEPA MNA screening criterion for iron is > 1,000  $\mu\text{g/L}$  (Wiedemeier et al., 1998). These data suggest that iron is being utilized in the biologic processes that are also causing degradation of CVOcs within the plume.

Reducing conditions may be naturally occurring in deep, isolated portions of the aquifer, such as are observed at deep wells MW-02A, MW-03A, MW-06A, MW-08A, and MW-13A. Dissolved iron concentrations in this portion of the aquifer are also elevated with respect to background, ranging from 1,300 to 2,730  $\mu\text{g/L}$  in September 2021; but the iron concentrations are not as high as observed within the CVOc plume.

#### **4.2.5 Dissolved Manganese**

Similar to iron, manganese is naturally occurring in aquifer materials, and is less soluble in its oxidized state. Manganese also serves as an electron acceptor in the biologic activity that results in reductive dechlorination of CVOCs. Increasing concentrations of dissolved manganese in the downgradient portions of the plume indicate that appropriate geochemical conditions are present for reductive dechlorination to occur. There is no USEPA MNA screening level for manganese, so an increase over background concentrations is used as a screening criterion. Dissolved manganese concentrations along the centerline of the plume are plotted in **Figure 12**, which shows a distinct increase in manganese from approximately 34 µg/L in relatively unaffected portions of the saturated zone (MW-01), to more than 2,100 µg/L at MW-13IS. These data suggest that manganese is being co-metabolized in the degradation of CVOCs within the plume.

Also similar to iron, dissolved manganese concentrations in the deep portion of the aquifer are elevated, ranging from 363 to 1,220 µg/L at the deep well locations (MW-02A, MW-03A, MW-06A, MW-08A, and MW-13A) in September 2021. These manganese concentrations are elevated above background levels, but not as high as concentrations within the downgradient portion of the CVOC plume.

#### **4.2.6 Sulfate**

The USEPA MNA screening level concentration (Wiedemeier et al., 1998) for sulfate is < 20 mg/L, as higher concentrations may compete with microbial processes. Sulfate is present at concentrations greater than the screening level in more than 60% of the groundwater samples analyzed. Occasionally sulfate concentrations slightly less than the screening level are detected, primarily from wells located upgradient of the plume or at the plume perimeter (e.g., MW-01, MW-02, MW-13); however, samples from wells within the plume also occasionally have concentrations below the screening level (e.g., MW-03, MW-05, MW-09). There is no significant variation of sulfate concentrations across the Site. Therefore, it appears that the anaerobic biological activity is limited to iron- and manganese-reduction but does not reach sulfate-reduction.

#### **4.2.7 Specific Conductance**

Similar to other field and chemical indicator parameters, specific conductance increases with depth everywhere at the Site. This pattern is likely due to infiltration of meteoric water (with low dissolved solids), dissolution of iron and manganese as terminal electron acceptors in the biological processes within the plume, natural chemical reactions along the groundwater flow path, and greater dissolved solids derived from the clay at the bottom of the aquifer. When specific conductance trends are evaluated along the centerline of the CVOC plume (**Figure 13**), conductance shows a gradual increase in the downgradient portions of the plume. The increase in conductance along the flow path is likely due, at least in part, to the dissolution of iron, manganese, and other byproducts of the biologic activity within the CVOC plume.

## 5.0 Conceptual Site Model Updates

The soil and groundwater data collected during this reporting period are generally consistent with the historical data and support the previous CSM summary (TRC, 2021c). The 12 newly installed wells and four additional quarterly groundwater monitoring events conducted between June 2021 and March 2022 have provided some additional information, as summarized below:

- Over the six years of monitoring at the Site, regional water elevations have varied through a range of approximately 5 feet. A relatively rapid 3-foot sitewide groundwater elevation increase in May 2019 appeared coincidentally with a transient increase in CVOC compounds in groundwater beneath the AUCA building at well MW-09; a second transient increase in CVOC compounds at well MW-09 was observed in September 2020 following a second period of elevated water levels. Water levels observed during the current reporting period are on the lower end of the ranges observed at each well, and total CVOC concentrations observed at well MW-09 have returned to baseline levels around 200 µg/L. While the CVOC trends do not track in lock step with the water elevations, there may be a delayed response, especially when water elevations are already at a high level. Even though previous unsaturated soil sampling did not identify a significant residual CVOC source below the AUCA building, the data from MW-09 may indicate the presence of some residual CVOC mass at or above the water table at approximately 25 feet bgs.
- With some exceptions, trends in CVOC concentrations at most Site wells continue to demonstrate stable to decreasing concentrations. During this reporting period, CVOC concentrations at well MW-07 showed an increasing trend. The cause of this increase is unknown but may be related to preferential or increased pumping at the BMU's CW-08. CVOC concentrations reported at BMU supply well CW-08 show a similar increase during this time frame.
- At the distal edge of the CVOC plume (well MW-08 nest), CVOC concentrations at each of the shallow and intermediate depth (IS and ID) wells show decreasing concentrations over the last four monitoring events, and well MW-08 now shows a decreasing CVOC trend over its monitoring history. CVOC concentrations in groundwater in this portion of the plume are likely still reaching a new equilibrium due to pumping at CW-13, which came on-line following its installation in 2013. Despite the hydraulic influence from BMU's two pumping wells, natural attenuation appears to be the dominant process affecting Site CVOC concentrations [REDACTED].
- Sentinel wells in the MW-13 well nest, located between MW-08 and supply well CW-13, continue to be non-detect for CVOCs; and sentinel wells MW-18 nest located between well MW-07 and supply well CW-08 have had only one TCE detection. These wells were installed at intermediate depths targeted to intercept the CVOC plume constituents prior to entering the supply well's intake areas. Downward migration of CVOC constituents through the upper fine sand is documented at the MW-08 well nest. In addition to the detections of CVOCs below MCLs in the CW-08 samples, during this reporting period, low (0.51 to 1.10 µg/L) concentrations of individual CVOCs have been detected in samples from CW-13 and the water discharged from BMU Plant #3.

## 6.0 Conclusions and Recommendations

### 6.1 Conclusions

The primary conclusions drawn from the Site data collected to date are as follows:

- Groundwater flow under static and pumping conditions has remained consistent with historical observations. Pumping at BMU supply wells CW-08 and CW-13 affects monitoring well water levels across the Site, and therefore influences groundwater flow and contaminant migration. The larger water level fluctuations observed over time (i.e., the 5-foot variation discussed in Section 3.2 and shown in the **Appendix B** graphs) appear to be related to regional flooding, precipitation, and drought events affecting the Mississippi Valley Alluvial Aquifer as a whole.
- Vertical gradients within the aquifer are generally flat to downward in the upper and intermediate portions of the aquifer, which is consistent with the observed distribution of CVOCs within the aquifer. Pumping at CW-08 and CW-13 increases the downward gradients in the aquifer adjacent to the supply wells.
- There is no evidence that a DNAPL or LNAPL is present at the Site. No CVOCs have ever been detected in the deep Site monitoring wells, and CVOCs are detected at the intermediate depth wells only at the distal portions of the plume. Since detailed field work began in 2016, the maximum concentration of PCE detected in groundwater was 1,320 µg/L, located in shallow groundwater beneath the AUCA building (i.e., at MW-09).
- The plume size and geometry, as defined by the 5 µg/L MCL for PCE, have remained stable since 2016. Dissolved PCE in groundwater forms a plume approximately 300 feet wide and 900 feet in length that follows the hydraulic gradient [REDACTED]. CVOCs occur primarily in the upper 20 feet of the saturated zone, with downward migration documented in the distal portions of the plume. Recent low-level detections of CVOCs at supply well CW-13 indicate some degree of CVOc migration is occurring in response to pumping; however, downward trends in CVOCs in distal portions of the plume (e.g., MW-08 nest) suggest that CVOc concentrations in groundwater are still equilibrating since CW-13 came online in 2013. Given the age of the release (40 to 50 years), the calculated groundwater velocity (220 feet/year; TRC, 2018), and the sampling data collected to date, significant attenuation of the CVOCs is occurring in groundwater.
- Concentrations of CVOCs at individual wells within the plume have remained generally stable over time, with some transient fluctuations below the AUCA building (i.e., at MW-09) as a result of regional water level increases extending past a possible smear zone. PCE concentrations at the distal edges of the plume and near CW-08 and CW-13 (e.g., MW-07) may also vary in response to BMU pumping activities.
- TCE and cis-1,2-DCE (PCE breakdown products) are present in the plume, providing evidence that reductive dechlorination is occurring. In addition, abiotic dechlorination is evidenced throughout the plume as supported by decreasing concentrations of PCE, TCE, and cis-1,2-DCE without the formation of more toxic end-member degradation products such as VC.



- Strong positive correlations are also evident between the distribution of some MNA parameters that would be expected with reductive dechlorination and the distribution of CVOC degradation compounds throughout the plume. Aerobic co-metabolism and oxidation are also evident in both the CVOC chemistry and MNA parameter results.
- The MNA graphs show a decrease in CVOC mass and concentration with distance from the current, high-concentration portion of the plume. The reductive dechlorination and abiotic decay processes are likely to continue within the aquifer over time, assuming existing conditions remain the same.
- The addition of 12 new permanent monitoring wells at shallow depths around the CVOC plume perimeter and at intermediate depths within the plume have delineated the horizontal and vertical plume extent and provided better definition of the potential CVOC migration pathways.
- Based on the results of the last four quarterly monitoring events, and consistent with the Revised Work Plan (TRC, 2021a), the new monitoring wells can be assigned a monitoring schedule for future monitoring events. **Table 8** summarizes the proposed monitoring program. Perimeter monitoring wells MW-16 through MW-21 will be added to the annual monitoring schedule, and intermediate monitoring wells along the centerline of the plume and/or at sentinel locations (MW-03IS, MW-06IS, MW-08IS/-ID, and MW-18IS/-ID) will be added to the semiannual monitoring program. MW-03ID is proposed for annual sampling, as no CVOCs have been detected at MW-03IS to date.

## 6.2 Recommendations

Based on the information presented in this Groundwater Monitoring Report, TRC recommends continuing groundwater monitoring for VOCs and MNA parameters under the modified sampling program summarized in **Table 8**. Semiannual groundwater sampling will be continued for at least one more year, with results from the first (i.e., next) event submitted to the MDNR in a data-only format and the results from both events summarized in a future Groundwater Monitoring Report.

## 7.0 References

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**Table 1: Groundwater Elevation Data - Reporting Period June 2021 through March 2022**  
**Aramark Uniform - Sikeston, Missouri**

Well ID	Measurement Date	Time	Depth to Water (ft, below TOC)	Water Elevation (ft, MSL)	Comments
MW-01	13-Jun-2021	11:29	26.83	299.92	Prior to purging
MW-01	14-Jun-2021	9:45	26.8	299.95	Synoptic event
MW-02	14-Jun-2021	9:31	30.27	299.92	Synoptic event
MW-02A	14-Jun-2021	9:30	30.34	299.91	Synoptic event
MW-03	14-Jun-2021	9:15	26.22	299.78	Synoptic event
MW-03	15-Jun-2021	8:54	26.25	299.75	Prior to purging
MW-03A	14-Jun-2021	9:11	26.11	299.74	Synoptic event
MW-03ID	14-Jun-2021	9:09	26.37	299.7	Synoptic event
MW-03ID	14-Jun-2021	15:46	26.5	299.57	Prior to purging
MW-03IS	14-Jun-2021	9:11	26.39	299.77	Synoptic event
MW-03IS	15-Jun-2021	7:45	26.43	299.73	Prior to purging
MW-04	14-Jun-2021	9:06	26.49	299.68	Synoptic event
MW-05	14-Jun-2021	9:00	27.84	299.56	Synoptic event
MW-06	14-Jun-2021	8:56	27.58	299.41	Synoptic event
MW-06	14-Jun-2021	12:42	27.98	299.01	Synoptic event #2
MW-06	15-Jun-2021	10:41	27.87	299.12	Prior to purging
MW-06A	14-Jun-2021	8:52	26.96	299.88	Synoptic event
MW-06A	14-Jun-2021	12:41	27.05	299.79	Synoptic event
MW-06IS	14-Jun-2021	8:54	27.95	299.42	Synoptic event
MW-06IS	14-Jun-2021	12:44	28.46	298.91	Synoptic event #2
MW-06IS	15-Jun-2021	10:02	27.97	299.4	Prior to purging
MW-07	14-Jun-2021	8:49	27.77	299.41	Synoptic event
MW-07	14-Jun-2021	12:39	28.29	298.89	Synoptic event #2
MW-07	14-Jun-2021	14:34	28.37	298.81	Prior to purging
MW-08	13-Jun-2021	8:51	25.37	298.89	Prior to purging
MW-08	14-Jun-2021	8:39	25.18	299.08	Synoptic event
MW-08A	14-Jun-2021	8:36	24.5	299.7	Synoptic event
MW-08ID	13-Jun-2021	7:16	25.23	298.96	Prior to purging
MW-08ID	14-Jun-2021	8:37	25.19	299	Synoptic event
MW-08IS	13-Jun-2021	8:04	25.4	298.67	Prior to purging
MW-08IS	14-Jun-2021	8:38	25.14	298.93	Synoptic event
MW-09	14-Jun-2021	9:35	26.98	300.13	Synoptic event
MW-09	15-Jun-2021	12:12	27.05	300.06	Prior to purging
MW-10	14-Jun-2021	9:20	27.14	300.12	Synoptic event
MW-11	13-Jun-2021	10:12	26.2	300.15	Prior to purging
MW-11	14-Jun-2021	9:41	26.17	300.18	Synoptic event
MW-12	14-Jun-2021	9:24	26.22	300.03	Synoptic event
MW-13	12-Jun-2021	16:21	26.04	298.51	Prior to purging
MW-13	14-Jun-2021	8:31	25.65	298.9	Synoptic event
MW-13A	14-Jun-2021	8:28	24.96	299.11	Synoptic event
MW-13ID	12-Jun-2021	14:45	25.45	298.88	Prior to purging
MW-13ID	14-Jun-2021	8:29	25.5	298.83	Synoptic event
MW-13IS	12-Jun-2021	15:34	26	298.25	Prior to purging
MW-13IS	14-Jun-2021	8:30	25.61	298.64	Synoptic event
MW-14	14-Jun-2021	8:34	25.08	299.16	Synoptic event
MW-15	14-Jun-2021	8:43	24.64	299.26	Synoptic event
MW-16	14-Jun-2021	8:23	26.03	299.17	Synoptic event
MW-16	14-Jun-2021	11:34	26.03	299.17	Prior to purging
MW-17	13-Jun-2021	14:25	26.59	298.7	Prior to purging
MW-17	14-Jun-2021	8:44	25.88	299.41	Synoptic event
MW-17	14-Jun-2021	12:46	26.45	298.84	Synoptic event #2
MW-18ID	14-Jun-2021	8:47	25.42	299.38	Synoptic event
MW-18ID	14-Jun-2021	12:37	27.45	297.35	Synoptic event #2
MW-18ID	14-Jun-2021	12:47	27.45	297.35	Prior to purging
MW-18IS	14-Jun-2021	8:48	25.92	299.39	Synoptic event

**Table 1: Groundwater Elevation Data - Reporting Period June 2021 through March 2022**  
**Aramark Uniform - Sikeston, Missouri**

Well ID	Measurement Date	Time	Depth to Water (ft, below TOC)	Water Elevation (ft, MSL)	Comments
MW-18IS	14-Jun-2021	12:37	26.9	298.41	Synoptic event #2
MW-18IS	14-Jun-2021	13:37	26.91	298.4	Prior to purging
MW-19	13-Jun-2021	16:41	26.74	299.89	Prior to purging
MW-19	14-Jun-2021	9:29	26.65	299.98	Synoptic event
MW-20	13-Jun-2021	15:29	26.54	299.54	Prior to purging
MW-20	14-Jun-2021	9:03	26.4	299.68	Synoptic event
MW-21	13-Jun-2021	13:10	27.01	299.96	Prior to purging
MW-21	14-Jun-2021	9:44	26.97	300	Synoptic event
MW-01	13-Sep-2021	13:26	28.24	298.51	Synoptic event
MW-01	14-Sep-2021	11:59	28.32	298.43	Prior to purging
MW-02	13-Sep-2021	13:35	31.77	298.42	Synoptic event
MW-02	16-Sep-2021	9:46	31.91	298.28	Prior to purging
MW-02A	13-Sep-2021	13:38	31.89	298.36	Synoptic event
MW-02A	16-Sep-2021	8:51	31.94	298.31	Prior to purging
MW-03	13-Sep-2021	13:59	27.68	298.32	Synoptic event
MW-03	16-Sep-2021	10:18	27.79	298.21	Prior to purging
MW-03A	13-Sep-2021	13:56	27.61	298.24	Synoptic event
MW-03A	16-Sep-2021	11:34	27.72	298.13	Prior to purging
MW-03ID	13-Sep-2021	13:52	27.78	298.29	Synoptic event
MW-03IS	13-Sep-2021	14:02	27.84	298.32	Synoptic event
MW-03IS	16-Sep-2021	9:56	27.99	298.17	Prior to purging
MW-04	13-Sep-2021	14:07	27.94	298.23	Synoptic event
MW-04	14-Sep-2021	13:10	27.98	298.19	Prior to purging
MW-05	13-Sep-2021	13:31	29.32	298.08	Synoptic event
MW-05	15-Sep-2021	18:00	29.6	297.8	Prior to purging
MW-06	13-Sep-2021	14:34	29.13	297.86	Synoptic event
MW-06	15-Sep-2021	13:26	29.25	297.74	Prior to purging
MW-06A	13-Sep-2021	14:28	28.42	298.42	Synoptic event
MW-06A	15-Sep-2021	17:42	28.55	298.29	Prior to purging
MW-06IS	13-Sep-2021	14:24	29.53	297.84	Synoptic event
MW-06IS	15-Sep-2021	16:13	29.94	297.43	Prior to purging
MW-07	13-Sep-2021	14:21	29.34	297.84	Synoptic event
MW-07	15-Sep-2021	10:07	29.63	297.55	Prior to purging
MW-08	13-Sep-2021	13:41	26.85	297.41	Synoptic event
MW-08	15-Sep-2021	11:41	26.79	297.47	Prior to purging
MW-08A	13-Sep-2021	13:51	25.98	298.22	Synoptic event
MW-08A	15-Sep-2021	13:23	25.85	298.35	Prior to purging
MW-08ID	13-Sep-2021	13:45	27.08	297.11	Synoptic event
MW-08ID	15-Sep-2021	11:54	27.1	297.09	Prior to purging
MW-08IS	13-Sep-2021	13:44	26.89	297.18	Synoptic event
MW-08IS	15-Sep-2021	14:12	26.97	297.1	Prior to purging
MW-09	13-Sep-2021	13:42	28.45	298.66	Synoptic event
MW-09	16-Sep-2021	8:23	28.59	298.52	Prior to purging
MW-10	13-Sep-2021	14:05	28.63	298.63	Synoptic event
MW-10	14-Sep-2021	13:23	28.65	298.61	Prior to purging
MW-11	13-Sep-2021	13:32	27.65	298.7	Synoptic event
MW-11	14-Sep-2021	10:06	27.74	298.61	Prior to purging
MW-12	13-Sep-2021	13:49	27.72	298.53	Synoptic event
MW-12	14-Sep-2021	11:44	27.8	298.45	Prior to purging
MW-13	13-Sep-2021	14:51	27.58	296.97	Synoptic event
MW-13	14-Sep-2021	8:22	26.86	297.69	Prior to purging
MW-13A	13-Sep-2021	14:59	28.94	295.13	Synoptic event
MW-13A	14-Sep-2021	7:58	26.4	297.67	Prior to purging
MW-13ID	13-Sep-2021	14:56	29	295.33	Synoptic event
MW-13ID	13-Sep-2021	16:05	27.06	297.27	Prior to purging



**Table 1: Groundwater Elevation Data - Reporting Period June 2021 through March 2022**  
**Aramark Uniform - Sikeston, Missouri**

Well ID	Measurement Date	Time	Depth to Water (ft, below TOC)	Water Elevation (ft, MSL)	Comments
MW-13IS	13-Sep-2021	14:54	27.65	296.6	Synoptic event
MW-13IS	14-Sep-2021	7:45	26.85	297.4	Prior to purging
MW-14	13-Sep-2021	14:37	26.65	297.59	Synoptic event
MW-14	14-Sep-2021	15:57	26.72	297.52	Prior to purging
MW-15	13-Sep-2021	14:26	26.29	297.61	Synoptic event
MW-15	15-Sep-2021	7:56	26.28	297.62	Prior to purging
MW-16	13-Sep-2021	14:25	27.5	297.7	Synoptic event
MW-16	14-Sep-2021	15:01	27.61	297.59	Prior to purging
MW-17	13-Sep-2021	14:02	27.71	297.58	Synoptic event
MW-17	15-Sep-2021	8:58	27.75	297.54	Prior to purging
MW-18ID	13-Sep-2021	14:15	26.98	297.82	Synoptic event
MW-18ID	15-Sep-2021	9:25	27.15	297.65	Prior to purging
MW-18IS	13-Sep-2021	14:13	27.5	297.81	Synoptic event
MW-18IS	15-Sep-2021	10:34	27.57	297.74	Prior to purging
MW-19	13-Sep-2021	13:45	28.18	298.45	Synoptic event
MW-19	14-Sep-2021	16:50	28.17	298.46	Prior to purging
MW-20	13-Sep-2021	13:55	19.82	306.26	Synoptic event
MW-20	14-Sep-2021	14:21	27.89	298.19	Prior to purging
MW-21	13-Sep-2021	13:29	28.48	298.49	Synoptic event
MW-21	14-Sep-2021	10:05	28.53	298.44	Prior to purging
MW-01	13-Dec-2021	16:01	29.21	297.54	Synoptic event
MW-01	15-Dec-2021	17:55	29.2	297.55	Prior to purging
MW-02	13-Dec-2021	16:04	32.72	297.47	Synoptic event
MW-02A	13-Dec-2021	16:06	32.8	297.45	Synoptic event
MW-03	13-Dec-2021	15:53	28.66	297.34	Synoptic event
MW-03	16-Dec-2021	11:15	28.7	297.3	Prior to purging
MW-03A	13-Dec-2021	15:56	28.62	297.23	Synoptic event
MW-03ID	13-Dec-2021	15:55	28.76	297.31	Synoptic event
MW-03ID	16-Dec-2021	12:55	28.85	297.22	Prior to purging
MW-03IS	13-Dec-2021	15:54	28.86	297.3	Synoptic event
MW-03IS	16-Dec-2021	10:25	28.91	297.25	Prior to purging
MW-04	13-Dec-2021	15:45	28.86	297.31	Synoptic event
MW-05	13-Dec-2021	15:28	30.42	296.98	Synoptic event
MW-06	13-Dec-2021	15:16	30.26	296.73	Synoptic event
MW-06	15-Dec-2021	12:10	30.01	296.98	Prior to purging
MW-06A	13-Dec-2021	15:22	29.35	297.49	Synoptic event
MW-06IS	13-Dec-2021	15:19	30.74	296.63	Synoptic event
MW-06IS	15-Dec-2021	11:30	30.41	296.96	Prior to purging
MW-07	13-Dec-2021	15:24	30.53	296.65	Synoptic event
MW-07	15-Dec-2021	10:55	30.3	296.88	Prior to purging
MW-08	13-Dec-2021	14:59	27.72	296.54	Synoptic event
MW-08	14-Dec-2021	17:45	27.72	296.54	Prior to purging
MW-08A	13-Dec-2021	14:56	26.8	297.4	Synoptic event
MW-08ID	13-Dec-2021	14:53	28.02	296.17	Synoptic event
MW-08ID	14-Dec-2021	19:20	27.8	296.39	Prior to purging
MW-08IS	13-Dec-2021	14:50	27.85	296.22	Synoptic event
MW-08IS	14-Dec-2021	16:25	27.68	296.39	Prior to purging
MW-09	13-Dec-2021	16:09	29.43	297.68	Synoptic event
MW-09	16-Dec-2021	13:35	29.43	297.68	Prior to purging
MW-10	13-Dec-2021	15:49	29.55	297.71	Synoptic event
MW-11	13-Dec-2021	16:15	28.57	297.78	Synoptic event
MW-11	15-Dec-2021	16:25	28.53	297.82	Prior to purging
MW-12	13-Dec-2021	15:38	28.71	297.54	Synoptic event
MW-13	13-Dec-2021	14:41	28.48	296.07	Synoptic event
MW-13	14-Dec-2021	11:45	28.03	296.52	Prior to purging

**Table 1: Groundwater Elevation Data - Reporting Period June 2021 through March 2022**  
**Aramark Uniform - Sikeston, Missouri**

Well ID	Measurement Date	Time	Depth to Water (ft, below TOC)	Water Elevation (ft, MSL)	Comments
MW-13A	13-Dec-2021	14:47	29.85	294.22	Synoptic event
MW-13ID	13-Dec-2021	14:44	29.9	294.43	Synoptic event
MW-13ID	14-Dec-2021	14:38	29.81	294.52	Prior to purging
MW-13IS	13-Dec-2021	14:38	28.57	295.68	Synoptic event
MW-13IS	14-Dec-2021	13:00	28.39	295.86	Prior to purging
MW-14	13-Dec-2021	14:49	27.57	296.67	Synoptic event
MW-15	13-Dec-2021	15:03	27.2	296.7	Synoptic event
MW-16	13-Dec-2021	15:31	28.52	296.68	Synoptic event
MW-16	15-Dec-2021	14:40	28.29	296.91	Prior to purging
MW-17	13-Dec-2021	15:07	28.63	296.66	Synoptic event
MW-17	15-Dec-2021	8:15	28.94	296.35	Prior to purging
MW-18ID	13-Dec-2021	15:13	29.65	295.15	Synoptic event
MW-18ID	15-Dec-2021	9:30	28.01	296.79	Prior to purging
MW-18IS	13-Dec-2021	15:10	29.11	296.2	Synoptic event
MW-18IS	15-Dec-2021	9:58	28.45	296.86	Prior to purging
MW-19	13-Dec-2021	15:41	29.09	297.54	Synoptic event
MW-19	15-Dec-2021	18:45	29.08	297.55	Prior to purging
MW-20	13-Dec-2021	15:35	28.84	297.24	Synoptic event
MW-20	15-Dec-2021	15:30	28.73	297.35	Prior to purging
MW-21	13-Dec-2021	16:12	29.4	297.57	Synoptic event
MW-21	15-Dec-2021	17:00	29.38	297.59	Prior to purging
MW-01	28-Mar-2022	16:32	28.42	298.33	Synoptic event
MW-01	30-Mar-2022	15:50	28.39	298.36	Prior to purging
MW-02	28-Mar-2022	16:35	31.94	298.25	Synoptic event
MW-02A	28-Mar-2022	16:37	31.26	298.99	Synoptic event
MW-03	28-Mar-2022	12:38	27.86	298.14	Synoptic event
MW-03	31-Mar-2022	9:35	27.94	298.06	Prior to purging
MW-03A	28-Mar-2022	16:52	27.76	298.09	Synoptic event
MW-03ID	28-Mar-2022	12:32	27.91	298.16	Synoptic event
MW-03IDR	31-Mar-2022	11:35	27.78	298.1	Prior to purging
MW-03IS	28-Mar-2022	16:51	27.32	298.84	Synoptic event
MW-03IS	31-Mar-2022	10:25	28.04	298.12	Prior to purging
MW-04	28-Mar-2022	16:18	28.05	298.12	Synoptic event
MW-05	28-Mar-2022	16:10	28.91	298.49	Synoptic event
MW-06	28-Mar-2022	15:54	28.76	298.23	Synoptic event
MW-06	30-Mar-2022	11:10	28.55	298.44	Prior to purging
MW-06A	28-Mar-2022	15:53	27.87	298.97	Synoptic event
MW-06IS	28-Mar-2022	15:56	29.26	298.11	Synoptic event
MW-06IS	30-Mar-2022	10:40	28.89	298.48	Prior to purging
MW-07	28-Mar-2022	15:51	29.05	298.13	Synoptic event
MW-07	31-Mar-2022	9:40	28.83	298.35	Prior to purging
MW-08	28-Mar-2022	15:20	26.31	297.95	Synoptic event
MW-08	29-Mar-2022	18:25	26.08	298.18	Prior to purging
MW-08A	28-Mar-2022	15:28	26.35	297.85	Synoptic event
MW-08ID	28-Mar-2022	15:26	26.53	297.66	Synoptic event
MW-08ID	29-Mar-2022	19:50	26.17	298.02	Prior to purging
MW-08IS	28-Mar-2022	15:24	26.34	297.73	Synoptic event
MW-08IS	29-Mar-2022	19:10	26.01	298.06	Prior to purging
MW-09	28-Mar-2022	15:59	28.62	298.49	Synoptic event
MW-09	30-Mar-2022	16:45	28.63	298.48	Prior to purging
MW-10	28-Mar-2022	16:21	28.06	299.2	Synoptic event
MW-11	28-Mar-2022	16:26	27.81	298.54	Synoptic event
MW-11	30-Mar-2022	14:05	27.73	298.62	Prior to purging
MW-12	28-Mar-2022	16:02	27.91	298.34	Synoptic event
MW-13	28-Mar-2022	15:08	27.27	297.28	Synoptic event

**Table 1: Groundwater Elevation Data - Reporting Period June 2021 through March 2022**  
**Aramark Uniform - Sikeston, Missouri**

Well ID	Measurement Date	Time	Depth to Water (ft, below TOC)	Water Elevation (ft, MSL)	Comments
MW-13	29-Mar-2022	17:13	27.02	297.53	Prior to purging
MW-13A	28-Mar-2022	15:12	28.35	295.72	Synoptic event
MW-13ID	28-Mar-2022	15:10	28.42	295.91	Synoptic event
MW-13ID	29-Mar-2022	12:07	28.2	296.13	Prior to purging
MW-13IS	28-Mar-2022	15:06	27.81	296.44	Synoptic event
MW-13IS	29-Mar-2022	18:20	26.89	297.36	Prior to purging
MW-14	28-Mar-2022	15:19	26.11	298.13	Synoptic event
MW-15	28-Mar-2022	15:41	26.41	297.49	Synoptic event
MW-16	28-Mar-2022	16:46	27.64	297.56	Synoptic event
MW-16	30-Mar-2022	12:05	26.84	298.36	Prior to purging
MW-17	28-Mar-2022	15:44	27.92	297.37	Synoptic event
MW-17	30-Mar-2022	7:20	27.48	297.81	Prior to purging
MW-18ID	28-Mar-2022	15:48	28.86	295.94	Synoptic event
MW-18ID	30-Mar-2022	8:07	26.46	298.34	Prior to purging
MW-18IS	28-Mar-2022	15:46	28.36	296.95	Synoptic event
MW-18IS	30-Mar-2022	8:45	26.97	298.34	Prior to purging
MW-19	28-Mar-2022	16:39	27.6	299.03	Synoptic event
MW-19	31-Mar-2022	12:35	28.28	298.35	Prior to purging
MW-20	28-Mar-2022	16:13	27.35	298.73	Synoptic event
MW-20	30-Mar-2022	12:50	27.28	298.8	Prior to purging
MW-21	28-Mar-2022	16:29	28.6	298.37	Synoptic event
MW-21	30-Mar-2022	14:55	28.56	298.41	Prior to purging

Notes:

MSL = Mean Sea Level

TOC = top of well casing

**Table 2: Summary of Vertical Hydraulic Gradient Measurements**  
**Aramark Uniform - Sikeston, Missouri**

Wellfield Pumping Condition <sup>(1)</sup> :	Non-Pumping				CW-08 Pumping				CW-13 Pumping				Unknown			
Well ID	Date	Time	Gradient	Direction of Gradient	Date	Time	Gradient	Direction of Gradient	Date	Time	Gradient	Direction of Gradient	Date	Time	Gradient	Direction of Gradient
MW-02/MW-02A	16-Mar-2017	7:38	0.0001	DOWN	28-Mar-2017	11:50	0.0000	FLAT	16-Mar-2017	14:48	-0.0001	UP	11-Oct-2016	7:15	-0.0001	UP
	10-Oct-2017	8:45	0.0001	DOWN	12-Oct-2017	7:39	-0.0023	UP	21-Mar-2017	13:45	0.0004	DOWN	2-Nov-2016	10:58	0.0003	DOWN
	5-Feb-2018	12:11	0.0001	DOWN	12-Oct-2017	8:49	-0.0001	UP	31-Aug-2018	14:39	0.0004	DOWN	15-Mar-2017	17:08	-0.0001	UP
	31-Aug-2018	12:32	0.0000	FLAT	12-Oct-2017	11:35	0.0003	DOWN	21-May-2019	16:39	0.0001	DOWN	23-Jun-2020	11:22	0.0003	DOWN
	29-Nov-2018	6:57	-0.0041	UP	9-Feb-2018	14:11	0.0004	DOWN	13-Sep-2021	13:35	0.0004	DOWN	21-Sep-2020	11:51	0.0003	DOWN
	5-Feb-2019	9:18	0.0000	FLAT	27-Aug-2018	11:50	0.0000	FLAT					1-Dec-2020	8:47	0.0001	DOWN
	20-May-2019	15:09	0.0001	DOWN	27-Nov-2018	10:10	-0.0054	UP								
	27-Mar-2020	8:18	0.0000	FLAT	23-May-2019	12:16	0.0000	FLAT								
	14-Jun-2021	9:31	0.0001	DOWN	13-Dec-2021	16:04	0.0001	DOWN								
	28-Mar-2022	16:35	-0.0055	UP												
MW-03/MW-03A	16-Mar-2017	7:32	0.0008	DOWN	28-Mar-2017	12:10	0.0003	DOWN	16-Mar-2017	14:42	0.0005	DOWN	11-Oct-2016	7:18	0.0004	DOWN
	10-Oct-2017	8:51	0.0004	DOWN	12-Oct-2017	7:32	0.0006	DOWN	21-Mar-2017	13:55	0.0003	DOWN	2-Nov-2016	11:04	0.0008	DOWN
	12-Oct-2017	8:32	0.0004	DOWN	12-Oct-2017	11:17	0.0009	DOWN	21-May-2019	16:43	0.0008	DOWN	15-Mar-2017	17:03	0.0005	DOWN
	5-Feb-2018	12:32	0.0006	DOWN	9-Feb-2018	14:20	0.0005	DOWN					28-Mar-2020	9:12	0.0011	DOWN
	31-Aug-2018	12:37	0.0004	DOWN	27-Aug-2018	12:25	0.0004	DOWN					23-Jun-2020	11:10	0.0009	DOWN
	29-Nov-2018	17:00	0.0006	DOWN	27-Nov-2018	9:51	0.0005	DOWN					21-Sep-2020	11:45	0.0013	DOWN
	5-Feb-2019	9:10	0.0010	DOWN	23-May-2019	12:09	0.0010	DOWN					1-Dec-2020	9:01	0.0005	DOWN
	20-May-2019	14:59	0.0006	DOWN												
	27-Mar-2020	8:24	0.0006	DOWN												
MW-03/MW-03IS	14-Jun-2021	9:15	0.0002	DOWN	13-Dec-2021	15:53	0.0008	DOWN	13-Sep-2021	13:59	0.0000	FLAT				
MW-03IS/MW-03ID	14-Jun-2021	9:11	0.0033	DOWN	13-Dec-2021	15:54	-0.0005	UP	13-Sep-2021	14:02	0.0014	DOWN				
MW-03ID/MW-03A	14-Jun-2021	9:09	-0.0010	UP	13-Dec-2021	15:55	0.0019	DOWN	13-Sep-2021	13:52	0.0012	DOWN				
MW-06/MW-06A	12-Oct-2017	8:05	-0.0033	UP	12-Oct-2017	7:21	-0.0035	UP	31-Aug-2018	14:06	-0.0044	UP	23-Jun-2020	10:52	-0.0055	UP
	31-Aug-2018	12:45	-0.0050	UP	12-Oct-2017	10:55	-0.0057	UP	21-May-2019	17:46	-0.0034	UP	21-Sep-2020	12:19	-0.0053	UP
	27-Nov-2018	10:45	-0.0038	UP	5-Feb-2018	13:26	-0.0035	UP					1-Dec-2020	9:27	-0.0030	UP
	5-Feb-2019	9:36	-0.0025	UP	27-Aug-2018	13:18	-0.0044	UP								
	20-May-2019	15:34	-0.0028	UP	29-Nov-2018	13:59	-0.0024	UP								
	27-Mar-2020	8:39	-0.0028	UP	23-May-2019	11:40	-0.0048	UP								
MW-06/MW-06IS	14-Jun-2021	8:56	-0.0003	UP	14-Jun-2021	12:42	0.0034	DOWN	13-Sep-2021	14:34	0.0007	DOWN	13-Dec-2021	15:16	0.0034	DOWN
MW-06IS/MW-06A	14-Jun-2021	8:54	-0.0037	UP	28-Mar-2022	15:54	0.0040	DOWN								
					14-Jun-2021	12:44	-0.0070	UP	13-Sep-2021	14:24	-0.0046	UP	13-Dec-2021	15:19	-0.0068	UP
MW-08/MW-08A	31-Aug-2018	12:48	-0.0052	UP	12-Oct-2017	7:14	-0.0049	UP	5-Feb-2018	14:00	-0.0056	UP	23-Jun-2020	10:42	-0.0051	UP
	27-Nov-2018	11:08	-0.0034	UP	12-Oct-2017	7:58	-0.0046	UP	31-Aug-2018	13:54	-0.0069	UP	21-Sep-2020	12:27	-0.0046	UP
	5-Feb-2019	9:43	-0.0029	UP	12-Oct-2017	10:43	-0.0052	UP	21-May-2019	18:01	-0.0058	UP	1-Dec-2020	10:01	0.0036	DOWN
	20-May-2019	15:24	-0.0030	UP	9-Feb-2018	13:49	-0.0028	UP								
	27-Mar-2020	8:49	-0.0026	UP	27-Aug-2018	13:59	-0.0048	UP								
MW-08/MW-08IS					29-Nov-2018	11:26	-0.0049	UP								
					23-May-2019	11:51	-0.0046	UP								
	14-Jun-2021	8:39	0.0068	DOWN					13-Sep-2021	13:41	0.0104	DOWN	13-Dec-2021	14:59	0.0144	DOWN
MW-08IS/MW-08ID	28-Mar-2022	15:20	0.0099	DOWN												
	14-Jun-2021	8:38	-0.0021	UP					13-Sep-2021	13:44	0.0021	DOWN	13-Dec-2021	14:50	0.0015	DOWN
MW-08ID/MW-08A	28-Mar-2022	15:24	0.0021	DOWN												
	14-Jun-2021	8:37	-0.0075	UP					13-Sep-2021	13:45	-0.0118	UP	13-Dec-2021	14:53	-0.0131	UP
MW-13/MW-13A	28-Mar-2022	15:26	-0.0020	UP												
	27-Aug-2018	14:30	-0.0015	UP	12-Oct-2017	7:07	-0.0025	UP	5-Feb-2018	14:30	0.0204	DOWN				
	31-Aug-2018	12:54	-0.0011	UP	12-Oct-2017	7:52	-0.0022	UP	31-Aug-2018	13:43	0.0233	DOWN				
	27-Nov-2018	11:20	-0.0008	UP	12-Oct-2017	10:31	-0.0009	UP	21-May-2019	17:54	0.0235	DOWN				
	5-Feb-2019	9:55	-0.0013	UP	9-Feb-2018	14:00	-0.0008	UP								
	20-May-2019	15:19	-0.0008	UP	23-May-2019	11:57	-0.0005	UP								

Table 2: Summary of Vertical Hydraulic Gradient Measurements  
Aramark Uniform - Sikeston, Missouri

Wellfield Pumping Condition <sup>(1)</sup> :	Non-Pumping				CW-08 Pumping				CW-13 Pumping				Unknown			
Well ID	Date	Time	Gradient	Direction of Gradient	Date	Time	Gradient	Direction of Gradient	Date	Time	Gradient	Direction of Gradient	Date	Time	Gradient	Direction of Gradient
MW-13/MW-13IS	27-Mar-2020	8:52	0.0133	DOWN					13-Sep-2021	14:51	0.0182	DOWN	23-Jun-2020	10:22	0.0138	DOWN
	14-Jun-2021	8:31	0.0128	DOWN					13-Dec-2021	14:41	0.0192	DOWN	21-Sep-2020	12:38	0.0128	DOWN
									28-Mar-2022	15:08	0.0414	DOWN	1-Dec-2020	10:22	0.0153	DOWN
MW-13IS/MW-13ID	27-Mar-2020	8:54	-0.0025	UP					13-Sep-2021	14:54	0.0318	DOWN	23-Jun-2020	10:26	-0.0020	UP
	14-Jun-2021	8:30	-0.0048	UP					13-Dec-2021	14:38	0.0313	DOWN	21-Sep-2020	12:35	-0.0018	UP
									28-Mar-2022	15:06	0.0133	DOWN	1-Dec-2020	10:21	-0.0018	UP
MW-13ID/MW-13A	27-Mar-2020	8:53	-0.0058	UP					13-Sep-2021	14:56	0.0043	DOWN	23-Jun-2020	10:24	-0.0058	UP
	14-Jun-2021	8:29	-0.0060	UP					13-Dec-2021	14:44	0.0045	DOWN	21-Sep-2020	12:37	-0.0060	UP
									28-Mar-2022	15:10	0.0041	DOWN	1-Dec-2020	10:23	-0.0065	UP
MW-18IS/MW-18ID	14-Jun-2021	8:48	0.0004	DOWN	14-Jun-2021	12:37	0.0421	DOWN	13-Sep-2021	14:13	-0.0004	UP	13-Dec-2021	15:10	0.0417	DOWN
					28-Mar-2022	15:46	0.0401	DOWN								

Footnotes:

<sup>(1)</sup> Wellfield pumping conditions were interpreted from field observations collected during measurement events or from pumping chart graphs supplied by the BMU (available only through 2019). Due to cycling of the supply pumps, pumping conditions at the time of measurement are only known where directly observed while collecting measurements adjacent to the supply well (e.g., MW-13/MW-13IS/MW-13ID/MW-13A adjacent to CW-13). The pumping condition is interpolated for other site wells based on observations prior to, during, and immediately following the synoptic measurement events.



Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			10/11/2016	10/7/2017	2/6/2018	8/28/2018	11/28/2018	2/6/2019	5/21/2019	12/3/2019	3/27/2020	6/23/2020	9/22/2020	12/1/2020	6/13/2021	9/14/2021	12/15/2021
			R164201-06	40158331004	40164537001	40175044001	40180414001	40183089001	40188438013	40200360001	40205473011	40210242001	40215456001	40219373001	40228627009	40233566001	40238632017
Parameter	EPA MCLs <sup>(1)</sup>	Units	40242796001														
1,1,1-Trichloroethane	200	µg/L	< 0.5	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.5	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 0.5	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	NE	µg/L	< 0.5	< 0.24	< 0.24	< 0.27 uj	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.5	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 2	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 2.2	< 2.2	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 2	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.5	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.36	< 0.36
1,3-Dichlorobenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 0.5	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 0.5	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.89	< 0.89
Benzene	5	µg/L	< 0.5	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 1.1	< 1.1	< 0.37	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86
Chloroform	NE	µg/L	0.61 HCj	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 2	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	< 0.5	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	< 0.47	< 0.47
Ethylbenzene	700	µg/L	< 0.5	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 0.5	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 2	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.32	< 0.32
n-Butylbenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.35	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 5	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 0.5	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.42	< 0.42
Styrene	100	µg/L	< 0.5	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 3.0	< 3.0	< 0.36	< 0.36	< 0.36
tert-Butylbenzene	NE	µg/L	< 0.5	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	2.2	2.8	3.3	3.7	4.1	2.7	3.8	2.7	3.6	4.1	4.0	3.8	3.1	2.4	3.5
Toluene	1000	µg/L	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.27	< 0.27	< 0.29	< 0.29	< 0.29
trans-1,2-dichloroethene	100	µg/L	< 0.5	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.46	< 0.46	< 0.53	< 0.53	< 0.53
Trichloroethene	5	µg/L	< 0.5	0.46 J	0.57 J	0.64 J	0.88 J	0.41 J	0.70 J	0.37 J	0.48 J	0.70 J	0.64 J	0.63 J	0.66 J	0.41 J	0.66 J
Vinyl chloride	2	µg/L	< 0.5	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 1	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 1	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.0	< 1.0

Footnotes:  
(<sup>1</sup>) USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:  
blue highlighted cell indicates data from the current monitoring event.  
outlined cell indicates a regulatory exceedance

- 1. NE: No standard established
- 2. --: Not Analyzed
- 3. HC = Results may be biased high because of high continuing calibration verification (CCV).
- 4. LC = Results may be biased low because of low continuing calibration verification (CCV).
- 5. B = Analyte is also detected in the associated method blank.
- 6. M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 7. D = Data reported from a dilution.
- 8. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- 9. j = Estimated result, see data validation report for details.
- 10. j+ = Estimated result with a potential high bias. See data validation report for details.
- 11. u = data validation rules result as not detected. See data validation report for details.
- 12. EPA = United States Environmental Protection Agency
- 13. MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02A	MW-02A	MW-02A	MW-02A	MW-02A	MW-02A	
			10/11/2016	10/10/2017	2/6/2018	8/30/2018	11/29/2018	2/7/2019	5/22/2019	3/28/2020	9/24/2020	9/16/2021	10/10/2016	10/10/2017	2/13/2018	8/30/2018	11/29/2018	2/7/2019
			R164201-07	40158726001	40164537002	40175274001	40180414002	40183089002	40188438014	40205473017	40215456002	40233566002	R164201-03	40158726003	40164715013	40175274002	40180414003	40183089003
Parameter	EPA MCLs <sup>(1)</sup>	Units																
1,1,1-Trichloroethane	200	µg/L	< 0.5	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.5	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.5	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.5	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.5	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.5	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.5	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.5	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.5	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.5	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 2	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 2	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63
1,2,4-Trichlorobenzene	70	µg/L	< 2	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	16	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.5	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.5	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.5	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	3.7	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.5	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.5	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.5	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.5	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.5	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.5	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.5	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.5	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.5	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17
Chlorobenzene	100	µg/L	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 0.5 HC	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 0.5	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 2	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 2	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	4.3	1.5	0.77 J	1.7	0.81 J	1.2	1.3	0.61 J	0.71 J	0.54 J	< 0.5	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27
Ethylbenzene	700	µg/L	< 0.5	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.5	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22
Isopropylbenzene	NE	µg/L	0.5	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.5	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39
Methylene chloride	5	µg/L	< 2	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 2	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2
n-Propylbenzene	NE	µg/L	1.4	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.5	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71
Naphthalene	NE	µg/L	< 5	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 5	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81
p-Isopropyltoluene	NE	µg/L	2.1	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.5	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	2	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.5	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 0.5	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.5	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	NE	µg/L	< 0.5	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.5	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	83 D	57.3	50.5	46.4	48.0	52.4	49.8	43.0	48.2	39.2	< 0.5	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33
Toluene	1000	µg/L	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17
trans-1,2-dichloroethene	100	µg/L	< 0.5	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 0.5	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1
Trichloroethene	5	µg/L	7	4.6	4.0	4.0	4.1	4.3	4.4	3.6	4.4	3.1	< 0.5	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26
Vinyl chloride	2	µg/L	< 0.5	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.5	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 1	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 1	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.5	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.5	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.  
outlined cell indicates a regulatory exceedance

- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
- LC = Results may be biased low because of low continuing calibration verification (CCV).
- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
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- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-02A	MW-02A	MW-02A	MW-03	MW-03 DUP	MW-03	MW-03	MW-03	MW-03 DUP	MW-03	MW-03	MW-03 DUP	MW-03	MW-03	MW-03	MW-03 DUP
			5/22/2019	9/24/2020	9/16/2021	10/11/2016	10/11/2016	10/11/2017	2/7/2018	8/30/2018	8/30/2018	11/29/2018	2/8/2019	2/8/2019	5/23/2019	12/3/2019	3/28/2020	3/28/2020
Parameter	EPA MCLs <sup>(1)</sup>	Units	40188438015	40215456003	40233566003	R164201-08	R164201-09	40158726008	40164537003	40175044016	40175044017	40180414004	40183089004	40183089024	40188438016	40200360006	40205473016	40205473021
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.30	< 0.5	< 0.5	< 0.50	< 10.0	< 0.24	< 0.24	< 1.2	< 0.24	< 0.24	< 0.24	< 0.24	< 1.2	< 1.2
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.38	< 0.5	< 0.5	< 0.25	< 5.0	< 0.28	< 0.28	< 1.4	< 0.28	< 0.28	< 0.28	< 0.28	< 1.4	< 1.4
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.34	< 0.5	< 0.5	< 0.20	< 3.9	< 0.55	< 0.55	< 2.8	< 0.55	< 0.55	< 0.55	< 0.55	< 2.8	< 2.8
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.30	< 0.5	< 0.5	< 0.24	< 4.8	< 0.27	< 0.27	< 1.4	< 0.27	< 0.27	< 0.27	< 0.27	< 1.4	< 1.4
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.58	< 0.5	< 0.5	< 0.41	< 8.2	< 0.24	< 0.24	< 1.2	< 0.24	< 0.24	< 0.24	< 0.24	< 1.2	< 1.2
1,2,3-Trichlorobenzene	NE	µg/L	< 0.63	< 2.2	< 1.0	< 2	< 2	< 2.1	< 42.7	< 0.63	< 0.63	< 3.1	< 0.63	< 0.63	< 0.63	< 0.63	< 11.1	< 11.1
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 2	< 2	< 2.2	< 44.2	< 0.95	< 0.95	< 4.8	< 0.95	< 0.95	< 0.95	< 0.95	< 4.8	< 4.8
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.45	< 0.5	< 0.5	< 0.50	< 10.0	< 0.84	< 0.84	< 4.2	< 0.84	< 0.84	< 0.84	< 0.84	< 4.2	< 4.2
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.33	< 0.5	< 0.5	< 0.50	< 10.0	< 0.71	< 0.71	< 3.5	< 0.71	< 0.71	< 0.71	< 0.71	< 3.5	< 3.5
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.29	< 0.5	< 0.5	< 0.17	< 3.4	< 0.28	< 0.28	< 1.4	< 0.28	< 0.28	< 0.28	< 0.28	< 1.4	< 1.4
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.36	< 0.5	< 0.5	< 0.50	< 10.0	< 0.87	< 0.87	< 4.4	< 0.87	< 0.87	< 0.87	< 0.87	< 4.4	< 4.4
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.35	< 0.5	< 0.5	< 0.50	< 10.0	< 0.63	< 0.63	< 3.1	< 0.63	< 0.63	< 0.63	< 0.63	< 3.1	< 3.1
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.89	< 0.5	< 0.5	< 0.50	< 10.0	< 0.94	< 0.94	< 4.7	< 0.94	< 0.94	< 0.94	< 0.94	< 4.7	< 4.7
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.89	< 0.5	< 0.5	< 0.50	< 10.0	< 0.93	< 0.93	< 4.6	< 0.93	< 0.93	< 0.93	< 0.93	< 4.6	< 4.6
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.89	< 0.5	< 0.5	< 0.21	< 4.3	< 0.76	< 0.76	< 3.8	< 0.76	< 0.76	< 0.76	< 0.76	< 3.8	< 3.8
Benzene	5	µg/L	< 0.25	< 0.25	< 0.30	< 0.5	< 0.5	< 0.50	< 10.0	< 0.25	< 0.25	< 1.2	< 0.25	< 0.25	< 0.25	< 0.25	< 1.2	< 1.2
Carbon tetrachloride	5	µg/L	< 0.17	< 1.1	< 0.37	< 0.5	< 0.5	< 0.50	< 10.0	< 0.17	< 0.17	< 0.83	< 0.17	< 0.17	< 0.17	< 0.17	< 5.4	< 5.4
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.86	< 0.5	< 0.5	< 0.50	< 10.0	< 0.71	< 0.71	< 3.6	< 0.71	< 0.71	< 0.71	< 0.71	< 3.6	< 3.6
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.2	< 0.5 HC	< 0.5 HC	< 2.5	< 50.0	< 1.3	< 1.3	< 6.4	< 1.3	< 1.3	< 1.3	< 1.3	< 6.4	< 6.4
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 1.6	< 2	< 2	0.52 J	< 10.0	< 2.2	< 2.2	< 10.9	< 2.2	< 2.2	< 2.2	< 2.2	< 10.9	< 10.9
cis-1,2-Dichloroethene	70	µg/L	< 0.27	< 0.27	< 0.47	98 D	100 D	184	210	87.0	97.5	108	120	136	103	115	79.0	66.8
Ethylbenzene	700	µg/L	< 0.22	< 0.32	< 0.33	< 0.5	< 0.5	< 0.50	< 10.0	< 0.22	< 0.22	< 1.1	< 0.22	< 0.22	< 0.22	< 0.22	< 1.6	< 1.6
Isopropylbenzene	NE	µg/L	< 0.39	< 1.7	< 1.0	< 0.5	< 0.5	< 0.14	< 2.9	< 0.39	< 0.39	< 2.0	< 0.39	< 0.39	< 0.39	< 0.39	< 8.4	< 8.4
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.32	< 2	< 2	< 0.23	< 4.7	< 0.58	< 0.58	< 2.9	< 0.58	< 0.58	< 0.58	< 0.58	< 2.9	< 2.9
n-Butylbenzene	NE	µg/L	< 0.71	< 0.71	< 0.86	< 0.5	< 0.5	< 0.50	< 10.0	< 0.71	< 0.71	< 3.5	< 1.2	< 1.2	< 0.71	< 0.71	< 3.5	< 3.5
n-Propylbenzene	NE	µg/L	< 0.81	< 0.81	< 0.35	< 0.5	< 0.5	< 0.50	< 10.0	< 0.81	< 0.81	< 4.1	< 0.71	< 0.71	< 0.81	< 0.81	< 4.1	< 4.1
Naphthalene	NE	µg/L	< 1.2	< 1.2	< 1.1	< 5	< 5	< 2.5	< 50.0	< 1.2	< 1.2	< 5.9	< 0.81	< 0.81	< 1.2	< 1.2	< 5.9	< 5.9
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 1.0	< 0.5	< 0.5	< 0.50	< 10.0	< 0.80	< 0.80	< 4.0	< 0.80	< 0.80	< 0.80	< 0.80	< 4.0	< 4.0
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.42	< 0.5	< 0.5	< 2.2	< 43.7	< 0.85	< 0.85	< 4.2	< 0.85	< 0.85	< 0.85	< 0.85	< 4.2	< 4.2
Styrene	100	µg/L	< 0.47	< 3.0	< 0.36	< 0.5	< 0.5	< 0.50	< 10.0	< 0.47	< 0.47	< 2.3	< 0.47	< 0.47	< 0.47	< 0.47	< 15.0	< 15.0
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.59	< 0.5	< 0.5	< 0.18	< 3.6	< 0.30	< 0.30	< 1.5	< 0.30	< 0.30	< 0.30	< 0.30	< 1.5	< 1.5
Tetrachloroethene	5	µg/L	< 0.33	< 0.33	< 0.41	700 D	700 D	801	1,130	514	554	469	607	643	509	485	458	524
Toluene	1000	µg/L	< 0.17	< 0.27	< 0.29	< 0.5	< 0.5	< 0.50	< 10.0	< 0.17	< 0.17	< 0.86	< 0.17	< 0.17	< 0.17	< 0.17	< 1.3	< 1.3
trans-1,2-dichloroethene	100	µg/L	< 1.1	< 0.46	< 0.53	3.4	3.6	6.7	13.5 J	3.6 J	4.7	< 5.5	4.1	3.9	3.7	4.0	4.0 J	< 2.3
Trichloroethene	5	µg/L	< 0.26	< 0.26	< 0.32	35	36	55.8	79.8	37.2	42.2	34.6	49.7	52.8	42.5	41.2	32.3	34.7
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.5	< 0.5	< 0.18	< 3.5	< 0.17	< 0.17	< 0.87	< 0.17	< 0.17	< 0.17	< 0.17	< 0.87	< 0.87
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.70	< 1	< 1	< 1.0	< 20.0	< 0.47	< 0.47	< 2.3	< 0.47	< 0.47	< 0.47	< 0.47	< 2.3	< 2.3
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.35	< 0.5	< 0.5	< 0.50	< 10.0	< 0.26	< 0.26	< 1.3	< 0.26	< 0.26	< 0.26	< 0.26	< 1.3	< 1.3
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.0	< 1	< 1	< 1.5	< 30.0	< 1.5	< 1.5	< 7.5	< 1.5	< 1.5	< 1.5	< 1.5	< 7.5	< 7.5

Footnotes:

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-03	MW-03	MW-03 DUP	MW-03	MW-03	MW-03 DUP	MW-03	MW-03 DUP	MW-03	MW-03	MW-03 DUP	MW-03IS	MW-03IS	MW-03IS	MW-03IS	MW-03ID
EPA			6/24/2020	9/24/2020	9/24/2020	12/2/2020	6/15/2021	6/15/2021	9/16/2021	9/16/2021	12/16/2021	3/31/2022	3/31/2022	6/15/2021	9/16/2021	12/16/2021	3/31/2022	6/14/2021
Parameter	MCLs <sup>(1)</sup>	Units	40210242002	40215456004	40215456025	40219373002	40228627022	40228627027	40233566004	40233566036	40238632021	40242796002	40242796028	40228627021	40233566005	40238632020	40242796003	40228627020
1,1,1-Trichloroethane	200	µg/L	< 1.2	< 1.2	< 0.24	< 1.2	< 1.2	< 1.5	< 1.5	< 3.0	< 1.5	< 1.5	< 3.0	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30 j
1,1,2,2-Tetrachloroethane	NE	µg/L	< 1.4	< 1.4	< 0.28	< 1.4	< 1.5	< 1.9	< 1.9	< 3.8	< 1.9	< 1.9	< 3.8	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38 j
1,1,2-Trichloroethane	5	µg/L	< 2.8	< 2.8	< 0.55	< 2.8	< 1.4	< 1.7	< 1.7	< 3.4	< 1.7	< 1.7	< 3.4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34 j
1,1-Dichloroethane	NE	µg/L	< 1.4	< 1.4	< 0.27	< 1.4	< 1.2	< 1.5	< 1.5	< 3.0	< 1.5	< 1.5	< 3.0	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30 j
1,1-Dichloroethene	7	µg/L	< 1.2	< 1.2	< 0.24	< 1.2	< 2.3	< 2.9	< 2.9	< 5.8	< 2.9	< 2.9	< 5.8	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58 j
1,2,3-Trichlorobenzene	NE	µg/L	< 11.1	< 11.1	< 2.2	< 11.1	< 4.1	< 5.1	< 5.1	< 10.2	< 5.1	< 5.1	< 10.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 j
1,2,4-Trichlorobenzene	70	µg/L	< 4.8	< 4.8	< 0.95	< 4.8	< 3.8	< 4.8	< 4.8	< 9.5	< 4.8	< 4.8	< 9.5	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95 j
1,2,4-Trimethylbenzene	NE	µg/L	< 4.2	< 4.2	< 0.84	< 4.2	< 1.8	< 2.2	< 2.2	< 4.5	< 2.2	< 2.2	< 4.5	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45 j
1,2-Dichlorobenzene	600	µg/L	< 3.5	< 3.5	< 0.71	< 3.5	< 1.3	< 1.6	< 1.6	< 3.3	< 1.6	< 1.6	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33 j
1,2-Dichloroethane	5	µg/L	< 1.4	< 1.4	< 0.28	< 1.4	< 1.2	< 1.5	< 1.5	< 2.9	< 1.5	< 1.5	< 2.9	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29 j
1,3,5-Trimethylbenzene	NE	µg/L	< 4.4	< 4.4	< 0.87	< 4.4	< 1.4	< 1.8	< 1.8	< 3.6	< 1.8	< 1.8	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36 j
1,3-Dichlorobenzene	NE	µg/L	< 3.1	< 3.1	< 0.63	< 3.1	< 1.4	< 1.8	< 1.8	< 3.5	< 1.8	< 1.8	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35 j
1,4-Dichlorobenzene	75	µg/L	< 4.7	< 4.7	< 0.94	< 4.7	< 3.6	< 4.5	< 4.5	< 8.9	< 4.5	< 4.5	< 8.9	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89 j
2-Chlorotoluene	NE	µg/L	< 4.6	< 4.6	< 0.93	< 4.6	< 3.6	< 4.4	< 4.4	< 8.9	< 4.4	< 4.4	< 8.9	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89 j
4-Chlorotoluene	NE	µg/L	< 3.8	< 3.8	< 0.76	< 3.8	< 3.6	< 4.5	< 4.5	< 8.9	< 4.5	< 4.5	< 8.9	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89 j
Benzene	5	µg/L	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.5	< 1.5	< 3.0	< 1.5	< 1.5	< 3.0	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30 j
Carbon tetrachloride	5	µg/L	< 5.4	< 5.4	< 1.1	< 5.4	< 1.5	< 1.8	< 1.8	< 3.7	< 1.8	< 1.8	< 3.7	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37 j
Chlorobenzene	100	µg/L	< 3.6	< 3.6	< 0.71	< 3.6	< 3.4	< 4.3	< 4.3	< 8.6	< 4.3	< 4.3	< 8.6	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86 j
Chloroform	NE	µg/L	< 6.4	< 6.4	< 1.3	< 6.4	< 4.7	< 5.9	< 5.9	< 11.8	< 5.9	< 5.9	< 11.8	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2 j
Chloromethane	NE	µg/L	< 10.9	< 10.9	< 2.2	< 10.9	< 6.5	< 8.2	< 8.2	< 16.4	< 8.2	< 8.2	< 16.4	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 j
cis-1,2-Dichloroethene	70	µg/L	26.9	17.7	15.8	60.9	147	143	95.1	102	85.2	86.1	81.3	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47 j
Ethylbenzene	700	µg/L	< 1.6	< 1.6	< 0.32	< 1.6	< 1.3	< 1.6	< 1.6	< 3.3	< 1.6	< 1.6	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33 j
Isopropylbenzene	NE	µg/L	< 8.4	< 8.4	< 1.7	< 8.4	< 4.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 j
Methylene chloride	5	µg/L	< 2.9	< 2.9	< 0.58	< 2.9	< 1.3 L1	< 1.6 L1	< 1.6	< 3.2	< 1.6	< 1.6	< 3.2	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32 j
n-Butylbenzene	NE	µg/L	< 3.5	< 3.5	< 0.71	< 3.5	< 3.4	< 4.3	< 4.3	< 8.6	< 4.3	< 4.3	< 8.6	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86 j
n-Propylbenzene	NE	µg/L	< 4.1	< 4.1	< 0.81	< 4.1	< 1.4	< 1.7	< 1.7	< 3.5	< 1.7	< 1.7	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35 j
Naphthalene	NE	µg/L	< 5.9	< 5.9	< 1.2	< 5.9	< 4.5	< 5.6	< 5.6	< 11.3	< 5.6	< 5.6	< 11.3	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1 j
p-Isopropyltoluene	NE	µg/L	< 4.0	< 4.0	< 0.80	< 4.0	< 4.2	< 5.2	< 5.2	< 10.4	< 5.2	< 5.2	< 10.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 j
sec-Butylbenzene	NE	µg/L	< 4.2	< 4.2	< 0.85	< 4.2	< 1.7	< 2.1	< 2.1	< 4.2	< 2.1	< 2.1	< 4.2	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42 j
Styrene	100	µg/L	< 15.0	< 15.0	< 3.0	< 15.0	< 1.4	< 1.8	< 1.8	< 3.6	< 1.8	< 1.8	< 3.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36 j
tert-Butylbenzene	NE	µg/L	< 1.5	< 1.5	< 0.30	< 1.5	< 2.3	< 2.9	< 2.9	< 5.9	< 2.9	< 2.9	< 5.9	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59 j
Tetrachloroethene	5	µg/L	332	208	241	304	562	552	483	535	514	621	582	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41 j
Toluene	1000	µg/L	< 1.3	< 1.3	< 0.27	< 1.3	< 1.2	< 1.4	< 1.4	< 2.9	< 1.4	< 1.4	< 2.9	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29 j
trans-1,2-dichloroethene	100	µg/L	< 2.3	< 2.3	0.77 J	3.0 J	4.5 j	10.1 j	3.7 J	< 5.3	2.8 J	2.7 J	< 5.3	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53 j
Trichloroethene	5	µg/L	18.9	8.8	8.0	20.0	43.2	46.5	39.5	43.4	39.9	50.3	45.2	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32 j
Vinyl chloride	2	µg/L	< 0.87	< 0.87	< 0.17	< 0.87	< 0.70	< 0.87	< 0.87	< 1.7	< 0.87	< 0.87	< 1.7	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17 j
Xylene, M + P	NE	µg/L	< 2.3	< 2.3	< 0.47	< 2.3	< 2.8	< 3.5	< 3.5	< 7.0	< 3.5	< 3.5	< 7.0	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70 j
Xylene, O	NE	µg/L	< 1.3	< 1.3	< 0.26	< 1.3	< 1.4	< 1.7	< 1.7	< 3.5	< 1.7	< 1.7	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35 j
Xylene, total	10000	µg/L	< 7.5	< 7.5	< 1.5	< 7.5	< 4.2	< 5.2	< 5.2	< 10.5	< 5.2	< 5.2	< 10.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 j

Footnotes:  
(1) USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:  
blue highlighted cell indicates data from the current monitoring event.  
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- 2. --: Not Analyzed
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- 6. M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 7. D = Data reported from a dilution.
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- 9. j = Estimated result, see data validation report for details.
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- 12. EPA = United States Environmental Protection Agency
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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-03ID	MW-03ID	MW-03IDR	MW-03A	MW-03A	MW-03A	MW-03A	MW-03A	MW-03A	MW-03A	MW-03A	MW-03A	MW-04	MW-04	MW-04	
			9/16/2021	12/16/2021	3/31/2022	10/10/2016	10/10/2017	2/13/2018	8/31/2018	11/30/2018	2/8/2019	5/23/2019	3/28/2020	9/24/2020	9/16/2021	10/11/2016	10/8/2017	2/7/2018
Parameter	EPA MCLs <sup>(1)</sup>	Units	40233566006	40238632022	40242796004	R164201-04	40158726004	40164715014	40175274004	40180414005	40183089005	40188438017	40205473015	40215456005	40233566007	R164201-05	40158331007	40164537004
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.30	< 0.30	< 0.5	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.5	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.38	< 0.38	< 0.5	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.5	< 0.25	< 0.25
1,1,2-Trichloroethane	5	µg/L	< 0.34	< 0.34	< 0.34	< 0.5	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.5	< 0.20	< 0.20
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.5	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.5	< 0.24	< 0.24
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.58	< 0.58	< 0.5	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.5	< 0.41	< 0.41
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 2	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 2	< 2.1	< 2.1
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 2	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2	< 2.2	< 2.2
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.45	< 0.45	< 0.5	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.5	< 0.50	< 0.50
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.33	< 0.33	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.5	< 0.50	< 0.50
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.29	< 0.29	< 0.5	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.5	< 0.17	< 0.17
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.36	< 0.36	< 0.5	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.5	< 0.50	< 0.50
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.5	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.5	< 0.50	< 0.50
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.89	< 0.89	< 0.5	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.5	< 0.50	< 0.50
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.5	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.5	< 0.50	< 0.50
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.5	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.5	< 0.21	< 0.21
Benzene	5	µg/L	< 0.30	< 0.30	< 0.30	< 0.5	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.5	< 0.50	< 0.50
Carbon tetrachloride	5	µg/L	< 0.37	< 0.37	< 0.37	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.5	< 0.50	< 0.50
Chlorobenzene	100	µg/L	< 0.86	< 0.86	< 0.86	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.5	< 0.50	< 0.50
Chloroform	NE	µg/L	< 1.2	< 1.2	< 1.2	4.5 HCj	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 0.5	< 2.5	< 2.5
Chloromethane	NE	µg/L	< 1.6	< 1.6	< 1.6	< 2	0.62 J	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 2	0.67 J	< 0.50
cis-1,2-Dichloroethene	70	µg/L	< 0.47	< 0.47	< 0.47	< 0.5	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	< 0.5	< 0.26	< 0.26
Ethylbenzene	700	µg/L	< 0.33	< 0.33	< 0.33	< 0.5	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.5	< 0.50	< 0.50
Isopropylbenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 0.5	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39 M1	< 1.7	< 1.7	< 1.0	< 0.5	< 0.14	< 0.14
Methylene chloride	5	µg/L	< 0.32	< 0.32	< 0.32	< 2	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 2	< 0.23	< 0.23
n-Butylbenzene	NE	µg/L	< 0.86	< 0.86	< 0.86	< 0.5	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.5	< 0.50	< 0.50
n-Propylbenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.5	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.5	< 0.50	< 0.50
Naphthalene	NE	µg/L	< 1.1	< 1.1	< 1.1	< 5	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 5	< 2.5	< 2.5
p-Isopropyltoluene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 0.5	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.5	< 0.50	< 0.50
sec-Butylbenzene	NE	µg/L	< 0.42	< 0.42	< 0.42	< 0.5	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.5	< 2.2	< 2.2
Styrene	100	µg/L	< 0.36	< 0.36	< 0.36	< 0.5	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.5	< 0.50	< 0.50
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.59	< 0.59	< 0.5	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.5	< 0.18	< 0.18
Tetrachloroethene	5	µg/L	< 0.41	< 0.41	< 0.41	< 0.5	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	< 0.5	< 0.50	< 0.50
Toluene	1000	µg/L	< 0.29	< 0.29	< 0.29	< 0.5	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.5	< 0.50	< 0.50
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.53	< 0.53	< 0.5	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 0.5	< 0.26	< 0.26
Trichloroethene	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.5	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.5	< 0.33	< 0.33
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.5	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.5	< 0.18	< 0.18
Xylene, M + P	NE	µg/L	< 0.70	< 0.70	< 0.70	< 1	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 1	< 1.0	< 1.0
Xylene, O	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.5	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.5	< 0.50	< 0.50
Xylene, total	10000	µg/L	< 1.0	< 1.0	< 1.0	< 1	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1	< 1.5	< 1.5

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

Parameter	EPA MCLs <sup>(1)</sup>	Units	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-05 DUP	MW-05	MW-05	MW-05 DUP	MW-05
			8/28/2018	11/28/2018	2/6/2019	5/21/2019	3/28/2020	9/22/2020	9/14/2021	3/16/2017	10/8/2017	2/9/2018	2/9/2018	8/30/2018	11/28/2018	11/28/2018	2/6/2019
			40175044005	40180414006	40183089006	40188438018	40205473014	40215456006	40233566008	A171110-02	40158331011	40164715002	40164715018	40175044014	40180414007	40180414021	40183089007
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.5	< 0.50	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.5	< 0.25	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.5	< 0.20	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.6	< 0.24	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.7	< 0.41	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 0.23	< 2.1	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.39	< 2.2	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.3	< 0.50	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.38	< 0.50	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.39	< 0.17	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.38	< 0.50	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.48	< 0.50	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.35	< 0.50	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.38	< 0.50	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.37	< 0.21	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.45	< 0.50	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.19	< 0.50	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.37	< 0.50	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 0.31	< 2.5	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 0.8	< 0.50	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	2.7 D	4.2	3.0	3.1	3.0	3.5	3.1	2.0
Ethylbenzene	700	µg/L	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.27	< 0.50	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22
Isopropylbenzene	NE	µg/L	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.41	< 0.14	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.7	< 0.23	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.7	< 0.50	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 1.2
n-Propylbenzene	NE	µg/L	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.5	< 0.50	< 0.50	< 0.50	< 0.81	< 0.81	< 0.81	< 0.71
Naphthalene	NE	µg/L	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 0.44	< 2.5	< 2.5	< 2.5	< 1.2	< 1.2	< 1.2	< 0.81
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.43	< 0.50	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.65	< 2.2	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.33	< 0.50	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.6	< 0.18	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	110 D	120	124	125	116	125	117	118
Toluene	1000	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.27	< 0.50	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17
trans-1,2-dichloroethene	100	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 0.55	< 0.26	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1
Trichloroethene	5	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	10 D	10.0	11.3	11.1	11.3	11.8	11.8	9.8
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.8	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.29	< 1.0	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.29	< 0.50	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	--	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
- LC = Results may be biased low because of low continuing calibration verification (CCV).
- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
- j+ = Estimated result with a potential high bias. See data validation report for details.
- u = data validation rules result as not detected. See data validation report for details.
- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

Parameter	EPA MCLs <sup>(1)</sup>	Units	MW-05	MW-05 DUP	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06 DUP	MW-06	MW-06 DUP	MW-06	MW-06	MW-06	MW-06	MW-06
			5/22/2019	5/22/2019	3/28/2020	9/24/2020	9/15/2021	3/16/2017	10/8/2017	10/8/2017	2/9/2018	2/9/2018	8/30/2018	11/29/2018	2/7/2019	5/23/2019	12/4/2019
			40188438019	40188438011	40205473020	40215456007	40233566009	A1711110-04	40158331009	40158331012	40164715003	40164715006	40175044015	40180414008	40183089008	40188438020	40200360009
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 1	< 2.0	< 0.50	< 2.0	< 0.50	< 0.24	< 0.24	< 0.98	< 0.98	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.99	< 1.0	< 0.25	< 1.0	< 0.25	< 0.28	< 0.28	< 1.1	< 1.1	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 1	< 0.79	< 0.20	< 0.79	< 0.20	< 0.55	< 0.55	< 2.2	< 2.2	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 1.2	< 0.97	< 0.24	< 0.97	< 0.24	< 0.27	< 0.27	< 1.1	< 1.1	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 1.4	< 1.6	< 0.41	< 1.6	< 0.41	< 0.24	< 0.24	< 0.98	< 0.98	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 0.45	< 8.5	< 2.1	< 8.5	< 2.1	< 0.63	< 0.63	< 2.5	< 2.5	< 0.63
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.77	< 8.8	< 2.2	< 8.8	< 2.2	< 0.95	< 0.95	< 3.8	< 3.8	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.6	< 2.0	< 0.50	< 2.0	< 0.50	< 0.84	< 0.84	< 3.4	< 3.4	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.76	< 2.0	< 0.50	< 2.0	< 0.50	< 0.71	< 0.71	< 2.8	< 2.8	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.78	< 0.67	< 0.17	< 0.67	< 0.17	< 0.28	< 0.28	< 1.1	< 1.1	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.75	< 2.0	< 0.50	< 2.0	< 0.50	< 0.87	< 0.87	< 3.5	< 3.5	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.96	< 2.0	< 0.50	< 2.0	< 0.50	< 0.63	< 0.63	< 2.5	< 2.5	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.7	< 2.0	< 0.50	< 2.0	< 0.50	< 0.94	< 0.94	< 3.8	< 3.8	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.75	< 2.0	< 0.50	< 2.0	< 0.50	< 0.93	< 0.93	< 3.7	< 3.7	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.73	< 0.85	< 0.21	< 0.85	< 0.21	< 0.76	< 0.76	< 3.0	< 3.0	< 0.76
Benzene	5	µg/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.89	< 2.0	< 0.50	< 2.0	< 0.50	0.44 J	< 0.25	< 0.99	< 0.99	< 0.25
Carbon tetrachloride	5	µg/L	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.38	< 2.0	< 0.50	< 2.0	< 0.50	< 0.17	< 0.17	< 0.66	< 0.66	< 0.17
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.73	< 2.0	< 0.50	< 2.0	< 0.50	< 0.71	< 0.71	< 2.8	< 2.8	< 0.71
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 0.62	< 10.0	< 2.5	< 10.0	< 2.5	5.8	< 1.3	< 5.1	< 5.1	< 1.3
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 2.0	< 0.50	< 2.0	< 0.50	< 2.2	< 2.2	< 8.8	< 8.8	< 2.2
cis-1,2-Dichloroethene	70	µg/L	1.6	1.3	1.6	2.8	2.8	47 D	20.3	21.9	21.7	22.6	21.4	23.7	18.7	15.2	22.5
Ethylbenzene	700	µg/L	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.54	< 2.0	< 0.50	< 2.0	< 0.50	< 0.22	< 0.22	< 0.87	< 0.87	< 0.22
Isopropylbenzene	NE	µg/L	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.81	< 0.57	< 0.14	< 0.57	< 0.14	< 0.39	< 0.39	< 1.6	< 1.6	< 0.39
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 1.4	< 0.93	< 0.23	< 0.93	< 0.23	< 0.58	< 0.58	< 2.3	< 2.3	< 0.58
n-Butylbenzene	NE	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 1.4	< 2.0	< 0.50	< 2.0	< 0.50	< 0.71	< 0.71	< 4.7	< 2.8	< 0.71
n-Propylbenzene	NE	µg/L	< 0.81	< 0.81	< 0.81	< 0.81	< 0.35	< 1	< 2.0	< 0.50	< 2.0	< 0.50	< 0.81	< 0.81	< 2.8	< 3.2	< 0.81
Naphthalene	NE	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 0.88	< 10.0	< 2.5	< 10.0	< 2.5	< 1.2	< 1.2	< 3.2	< 4.7	< 1.2
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.85	< 2.0	< 0.50	< 2.0	< 0.50	< 0.80	< 0.80	< 3.2	< 3.2	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 1.3	< 8.7	< 2.2	< 8.7	< 2.2	< 0.85	< 0.85	< 3.4	< 3.4	< 0.85
Styrene	100	µg/L	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.65	< 2.0	< 0.50	< 2.0	< 0.50	< 0.47	< 0.47	< 1.9	< 1.9	< 0.47
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 1.2	< 0.72	< 0.18	< 0.72	< 0.18	< 0.30	< 0.30	< 1.2	< 1.2	< 0.30
Tetrachloroethene	5	µg/L	90.6	90.3	52.1	113	166	200 D	210	235	208	235	175	233	207	189	227
Toluene	1000	µg/L	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.53	< 2.0	< 0.50	< 2.0	< 0.50	< 0.17	< 0.17	< 0.69	< 0.69	< 0.17
trans-1,2-dichloroethene	100	µg/L	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 1.1	< 1.0	0.70 J	< 1.0	0.67 J	< 1.1	< 1.1	< 4.4	< 4.4	< 1.1
Trichloroethene	5	µg/L	7.6	7.9	6.4	10.4	16.3	47 D	31.9	36.5	48.1	52.3	21.2	59.6	45.7	57.1	41.6
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.6	< 0.70	< 0.18	< 0.70	< 0.18	< 0.17	< 0.17	< 0.70	< 0.70	< 0.17
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.57	< 4.0	< 1.0	< 4.0	< 1.0	< 0.47	< 0.47	< 1.9	< 1.9	< 0.47
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.58	< 2.0	< 0.50	< 2.0	< 0.50	< 0.26	< 0.26	< 1.0	< 1.0	< 0.26
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	--	< 6.0	< 1.5	< 6.0	< 1.5	< 1.5	< 1.5	< 6.0	< 6.0	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-06	MW-06	MW-06	MW-06	MW-06 DUP	MW-06	MW-06 DUP	MW-06	MW-06 DUP	MW-06	MW-06	MW-06IS	MW-06IS	MW-06IS DUP	MW-06IS	MW-06IS DUP
EPA			3/28/2020	6/24/2020	9/23/2020	12/2/2020	12/2/2020	6/15/2021	6/15/2021	9/15/2021	9/15/2021	12/15/2021	3/30/2022	6/15/2021	9/15/2021	9/15/2021	12/15/2021	12/15/2021
Parameter MCLs <sup>(1)</sup> Units			40205473019	40210242003	40215456009	40219373003	40219373011	40228627024	40228627028	40233566010	40233566034	40238632012	40242796005	40228627023	40233566045	40233566035	40238632011	40238632027
1,1,1-Trichloroethane	200	µg/L	< 0.49	< 0.49	< 0.49	< 0.49	< 0.98	< 0.61	< 0.61	< 0.61	< 0.30	< 0.61	< 0.61	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 1.1	< 0.76	< 0.76	< 0.76	< 0.38	< 0.76	< 0.76	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 2.2	< 0.69	< 0.69	< 0.69	< 0.34	< 0.69	< 0.69	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	NE	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 1.1	< 0.59	< 0.59	< 0.59	< 0.30	< 0.59	< 0.59	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.49	< 0.49	< 0.49	< 0.49	< 0.98	< 1.2	< 1.2	< 1.2	< 0.58	< 1.2	< 1.2	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 4.4	< 4.4	< 4.4	< 4.4	< 8.8	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	< 1.9	< 1.9	< 1.9	< 0.95	< 1.9	< 1.9	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 1.7	< 1.7	< 1.7	< 1.7	< 3.4	< 0.90	< 0.90	< 0.90	< 0.45	< 0.90	< 0.90	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 1.4	< 1.4	< 1.4	< 1.4	< 2.8	< 0.65	< 0.65	< 0.65	< 0.33	< 0.65	< 0.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.56	< 0.56	< 0.56	< 0.56	< 1.1	< 0.58	< 0.58	< 0.58	< 0.29	< 0.58	< 0.58	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 1.7	< 1.7	< 1.7	< 1.7	< 3.5	< 0.71	< 0.71	< 0.71	< 0.36	< 0.71	< 0.71	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,3-Dichlorobenzene	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 2.5	< 0.70	< 0.70	< 0.70	< 0.35	< 0.70	< 0.70	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 1.9	< 1.9	< 1.9	< 1.9	< 3.8	< 1.8	< 1.8	< 1.8	< 0.89	< 1.8	< 1.8	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 1.9	< 1.9	< 1.9	< 1.9	< 3.7	< 1.8	< 1.8	< 1.8	< 0.89	< 1.8	< 1.8	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 3.0	< 1.8	< 1.8	< 1.8	< 0.89	< 1.8	< 1.8	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
Benzene	5	µg/L	< 0.49	< 0.49	< 0.49	< 0.49	< 0.99	< 0.59	< 0.59	< 0.59	< 0.30	< 0.59	< 0.59	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 4.3	< 0.74	< 0.74	< 0.74	< 0.37	< 0.74	< 0.74	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 1.4	< 1.4	< 1.4	< 1.4	< 2.8	< 1.7	< 1.7	< 1.7	< 0.86	< 1.7	< 1.7	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Chloroform	NE	µg/L	< 2.5	< 2.5	< 2.5	< 2.5	< 5.1	< 2.4	< 2.4	< 2.4	< 1.2	< 2.4	< 2.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 4.4	< 4.4	< 4.4	< 4.4	< 8.8	< 3.3	< 3.3	< 3.3	< 1.6	< 3.3	< 3.3	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	18.8	20.4	19.1	21.8	21.6	16.6	17.6	11.6	13.0	10.4	8.1	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Ethylbenzene	700	µg/L	< 0.64	< 0.64	< 0.64	< 0.64	< 1.3	< 0.65	< 0.65	< 0.65	< 0.33	< 0.65	< 0.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 3.4	< 3.4	< 3.4	< 3.4	< 6.7	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 2.3	< 0.64 L1	< 0.64 L1	< 0.64	< 0.32	< 0.64	< 0.64	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32
n-Butylbenzene	NE	µg/L	< 1.4	< 1.4	< 1.4	< 1.4	< 2.8	< 1.7	< 1.7	< 1.7	< 0.86	< 1.7	< 1.7	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 1.6	< 1.6	< 1.6	< 1.6	< 3.2	< 0.69	< 0.69	< 0.69	< 0.35	< 0.69	< 0.69	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 2.4	< 2.4	< 2.4	< 2.4	< 4.7	< 2.3	< 2.3	< 2.3	< 1.1	< 2.3	< 2.3	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 1.6	< 1.6	< 1.6	< 1.6	< 3.2	< 2.1	< 2.1	< 2.1	< 1.0	< 2.1	< 2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 1.7	< 1.7	< 1.7	< 1.7	< 3.4	< 0.85	< 0.85	< 0.85	< 0.42	< 0.85	< 0.85	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Styrene	100	µg/L	< 6.0	< 6.0	< 6.0	< 6.0	< 12.0	< 0.71	< 0.71	< 0.71	< 0.36	< 0.71	< 0.71	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
tert-Butylbenzene	NE	µg/L	< 0.61	< 0.61	< 0.61	< 0.61	< 1.2	< 1.2	< 1.2	< 1.2	< 0.59	< 1.2	< 1.2	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	181	198	229	222	211	172	180	151	184	157	149	< 0.41	< 0.41	0.63 J	< 0.41	< 0.41
Toluene	1000	µg/L	< 0.54	< 0.54	< 0.54	< 0.54	< 1.1	< 0.58	< 0.58	< 0.58	< 0.29	< 0.58	< 0.58	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
trans-1,2-dichloroethene	100	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 1.9	< 1.1	< 1.1	< 1.1	< 0.53	< 1.1	< 1.1	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Trichloroethene	5	µg/L	36.0	30.1	39.0	33.6	32.5	39.4	40.9	43.4	53.3	37.0	31.6	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Vinyl chloride	2	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.70	< 0.35	< 0.35	< 0.35	< 0.17	< 0.35	< 0.35	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 1.9	< 1.4	< 1.4	< 1.4	< 0.70	< 1.4	< 1.4	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.52	< 0.52	< 0.52	< 0.52	< 1.0	< 0.70	< 0.70	< 0.70	< 0.35	< 0.70	< 0.70	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 3.0	< 3.0	< 3.0	< 3.0	< 6.0	< 2.1	< 2.1	< 2.1	< 1.0	< 2.1	< 2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

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- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
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- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
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- j = Estimated result, see data validation report for details.
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- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-06IS	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-07	MW-07 DUP	MW-07	MW-07	MW-07	MW-07 DUP
			3/30/2022	10/11/2017	2/14/2018	8/31/2018	11/29/2018	2/7/2019	5/23/2019	9/23/2020	9/15/2021	3/16/2017	3/16/2017	10/8/2017	2/9/2018	8/29/2018	8/29/2018
Parameter	EPA MCLs <sup>(1)</sup>	Units	40242796006	40158726007	40164715015	40175274005	40180414009	40183089009	40188438021	40215456008	40233566044	A1711110-03	A1711110-05	40158331008	40164715004	40175044010	40175044012
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.1	< 0.1	< 0.50	< 0.50	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.099	< 0.099	< 0.25	< 0.25	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.1	< 0.1	< 0.20	< 0.20	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.12	< 0.12	< 0.24	< 0.24	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.14	< 0.14	< 0.41	< 0.41	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 1.0	< 0.045	< 0.045	< 2.1	< 2.1	< 0.63	< 0.63
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.077	< 0.077	< 2.2	< 2.2	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.06	< 0.06	< 0.50	< 0.50	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.076	< 0.076	< 0.50	< 0.50	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.078	< 0.078	< 0.17	< 0.17	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.075	< 0.075	< 0.50	< 0.50	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.096	< 0.096	< 0.50	< 0.50	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.07	< 0.07	< 0.50	< 0.50	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.075	< 0.075	< 0.50	< 0.50	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.073	< 0.073	< 0.21	< 0.21	< 0.76	< 0.76
Benzene	5	µg/L	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.089	< 0.089	< 0.50	< 0.50	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 0.37	< 0.038	< 0.038	< 0.50	< 0.50	< 0.17	< 0.17
Chlorobenzene	100	µg/L	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.073	< 0.073	< 0.50	< 0.50	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 0.062	< 0.062	< 2.5	< 2.5	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 1.6	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 0.16	< 0.16	< 0.50	< 0.50	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	4	3.9	6.3	5.9	5.4	5.5
Ethylbenzene	700	µg/L	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.33	< 0.054	< 0.054	< 0.50	< 0.50	< 0.22	< 0.22
Isopropylbenzene	NE	µg/L	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.0	< 0.081	< 0.081	< 0.14	< 0.14	< 0.39	< 0.39
Methylene chloride	5	µg/L	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.14	< 0.14	< 0.23	< 0.23	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.86	< 0.14	< 0.14	< 0.50	< 0.50	< 0.71	< 0.71
n-Propylbenzene	NE	µg/L	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.35	< 0.1	< 0.1	< 0.50	< 0.50	< 0.81	< 0.81
Naphthalene	NE	µg/L	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.1	< 0.088	< 0.088	< 2.5	< 2.5	< 1.2	< 1.2
p-Isopropyltoluene	NE	µg/L	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.085	< 0.085	< 0.50	< 0.50	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.13	< 0.13	< 2.2	< 2.2	< 0.85	< 0.85
Styrene	100	µg/L	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 0.36	< 0.065	< 0.065	< 0.50	< 0.50	< 0.47	< 0.47
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.12	< 0.12	< 0.18	< 0.18	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	< 0.41	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	71 D	73 D	146	174	114	117
Toluene	1000	µg/L	< 0.29	< 0.50	< 0.50	0.24 u	< 0.17	< 0.17	< 0.17	< 0.27	< 0.29	< 0.053	< 0.053	< 0.50	< 0.50	< 0.17	< 0.17
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.53	< 0.11	< 0.11	0.34 J	0.34 J	< 1.1	< 1.1
Trichloroethene	5	µg/L	< 0.32	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	8.8	8.9	15.4	21.7	17.3	16.7
Vinyl chloride	2	µg/L	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.16	< 0.16	< 0.18	< 0.18	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.057	< 0.057	< 1.0	< 1.0	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.058	< 0.058	< 0.50	< 0.50	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	--	--	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

Parameter	EPA MCLs <sup>(1)</sup>	Units	MW-07	MW-07 DUP	MW-07	MW-07 DUP	MW-07	MW-07	MW-07	MW-07 DUP	MW-07	MW-07 DUP	MW-07	MW-07	MW-07	MW-07	MW-07
			11/29/2018	11/29/2018	2/8/2019	2/8/2019	5/23/2019	12/4/2019	3/27/2020	3/27/2020	6/24/2020	6/24/2020	9/23/2020	12/2/2020	6/14/2021	9/15/2021	12/15/2021
			40180414010	40180414022	40183089010	40183089023	40188438022	40200360010	40205473006	40205473012	40210242004	40210242011	40215456010	40219373004	40228627019	40233566011	40238632010
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.34	< 0.34
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.36	< 0.36
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.89	< 0.89
Benzene	5	µg/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.37	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	5.3	5.0	4.3	4.9	4.4	2.7	3.8	3.2	2.9	3.3	3.2	3.0	3.1	17.2	52.4
Ethylbenzene	700	µg/L	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32 L1	< 0.32	< 0.32
n-Butylbenzene	NE	µg/L	< 0.71	< 0.71	< 1.2	< 1.2	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 0.81	< 0.81	< 0.71	< 0.71	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.35	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 1.2	< 1.2	< 0.81	< 0.81	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.42	< 0.42
Styrene	100	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.36	< 0.36	< 0.36
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	149	144	143	136	123	78.7	69.5	82.1	67.1	66.5	96.7	54.9	57.9	97.4	142
Toluene	1000	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.29	< 0.29	< 0.29
trans-1,2-dichloroethene	100	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.53	0.67 J	1.5
Trichloroethene	5	µg/L	25.2	24.4	20.4	20.9	20.6	12.2	10.4	11.9	10	10.8	18.5	10.4	11.3	18.6	26.5
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.0	< 1.0

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
- LC = Results may be biased low because of low continuing calibration verification (CCV).
- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
- j+ = Estimated result with a potential high bias. See data validation report for details.
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- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level



Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-07	MW-07 DUP	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08 DUP	MW-08	
EPA			3/30/2022	3/31/2022	3/16/2017	10/11/2017	2/12/2018	8/29/2018	11/29/2018	2/6/2019	5/22/2019	12/4/2019	3/27/2020	6/24/2020	9/23/2020	9/23/2020	12/2/2020
MCLs <sup>(1)</sup>			40242796007	40242796026	A171110-01	40158726006	40164715009	40175044009	40180414011	40183089011	40188438023	40200360008	40205473007	40210242005	40215456011	40215456024	40219373005
Parameter	Units																
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 1.5	< 0.1	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 1.9	< 0.099	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.34	< 1.7	< 0.1	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.30	< 1.5	< 0.12	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.58	< 2.9	< 0.14	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 5.1	< 0.045	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 4.8	< 0.077	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 2.2	< 0.06	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 1.6	< 0.076	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.29	< 1.5	< 0.078	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 1.8	< 0.075	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 1.8	< 0.096	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 4.5	< 0.07	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.89	< 4.4	< 0.075	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.89	< 4.5	< 0.073	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.30	< 1.5	< 0.089	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.37	< 1.8	< 0.038	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Chlorobenzene	100	µg/L	< 0.86	< 4.3	< 0.073	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.2	< 5.9	< 0.062	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 1.6	< 8.2	< 0.16	0.54 J	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	98.3	86.9	73 M1, D	54.5	63.0	32.5	47.2	36.4	29.0	35.1	15.0	11.7	11.1	10.4	9.4
Ethylbenzene	700	µg/L	< 0.33	< 1.6	< 0.054	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Isopropylbenzene	NE	µg/L	< 1.0	< 5.0	< 0.081	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methylene chloride	5	µg/L	< 0.32	< 1.6	< 0.14	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.86	< 4.3	< 0.14	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	NE	µg/L	< 0.35	< 1.7	< 0.1	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
Naphthalene	NE	µg/L	< 1.1	< 5.6	< 0.088	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
p-Isopropyltoluene	NE	µg/L	< 1.0	< 5.2	< 0.085	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.42	< 2.1	< 0.13	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 0.36	< 1.8	< 0.065	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
tert-Butylbenzene	NE	µg/L	< 0.59	< 2.9	< 0.12	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	231	208	22	51.2 M1, j+	87.0	62.8	110	130	90.3	86.5	75.7	70.8	75.2	78.6	104
Toluene	1000	µg/L	< 0.29	< 1.4	< 0.053	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
trans-1,2-dichloroethene	100	µg/L	2.2	< 2.6	0.9	0.98 J	1.4	< 1.1	1.3 J	1.1 J	< 1.1	< 1.1	0.49 J	0.56 J	0.52 J	< 0.46	< 0.46
Trichloroethene	5	µg/L	46.6	42.8	7.9	13.5	23.5	14.2	27.4	22.3	19.8	17.9	14.5	12.9	13.5	12.4	16.3
Vinyl chloride	2	µg/L	< 0.17	< 0.87	< 0.16	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.70	< 3.5	< 0.057	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.35	< 1.7	< 0.058	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.0	< 5.2	--	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-08	MW-08	MW-08	MW-08 DUP	MW-08	MW-08	MW-08IS	MW-08IS DUP	MW-08IS	MW-08IS	MW-08IS DUP	MW-08IS	MW-08ID	MW-08ID	MW-08ID
			6/13/2021	6/13/2021	9/15/2021	9/15/2021	12/14/2021	3/29/2022	6/13/2021	6/13/2021	9/15/2021	12/14/2021	12/14/2021	3/29/2022	6/13/2021	9/15/2021	12/14/2021
Parameter	EPA MCLs <sup>(1)</sup>	Units	40228627006	40228627006	40233566012	40233566033	40238632005	40242796008	40228627005	40228627014	40233566013	40238632004	40238632026	40242796010	40228627004	40233566014	40238632006
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 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	< 0.34
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
Benzene	5	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Chloroform	NE	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	16.6	16.6	2.7	2.6	1.3	0.53 J	9.1	7.7	5.8	7.1	6.5	5.8	4.1	2.3	0.77 J
Ethylbenzene	700	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32 L 1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
n-Butylbenzene	NE	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Styrene	100	µg/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	67.9	67.9	47.0	50.7	32.2	22.0	32.8	29.9	25.8	19.9	20.0	15.0	3.7	1.1	0.42 J
Toluene	1000	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	4.1	0.44 JU	0.87 J
trans-1,2-dichloroethene	100	µg/L	0.57 J	0.57 J	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Trichloroethene	5	µg/L	15.0	15.0	7.8	8.2	4.3	2.2	50.8	44.3	43.8	39.0	38.8	34.0	22.4	13.3	6.4
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
- LC = Results may be biased low because of low continuing calibration verification (CCV).
- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
- j+ = Estimated result with a potential high bias. See data validation report for details.
- u = data validation rules result as not detected. See data validation report for details.
- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-08ID	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-08A	MW-09	MW-09 DUP	MW-09	MW-09	MW-09
			3/29/2022	10/11/2017	2/14/2018	8/31/2018	11/29/2018	2/6/2019	5/22/2019	3/27/2020	9/23/2020	9/15/2021	10/11/2017	10/11/2017	2/9/2018	8/30/2018	11/29/2018
Parameter	EPA MCLs <sup>(1)</sup>	Units	40242796009	40158726005	40164715016	40175274006	40180414012	40183089012	40188438024	40205473008	40215456012	40233566015	40158726009	40158726011	40164715001	40175274003	40180414013
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.50	< 0.50	< 0.50	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.25	< 0.25	< 0.25	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.20	< 0.20	< 0.20	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.24	< 0.24	< 0.24	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.41	< 0.41	< 0.41	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 2.1	< 2.1	< 2.1	< 0.63	< 0.63
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.2	< 2.2	< 2.2	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.50	< 0.50	< 0.50	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.50	< 0.50	< 0.50	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.17	< 0.17	< 0.17	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.50	< 0.50	< 0.50	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.50	< 0.50	< 0.50	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.50	< 0.50	< 0.50	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.50	< 0.50	< 0.50	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.21	< 0.21	< 0.21	< 0.76	< 0.76
Benzene	5	µg/L	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.50	< 0.50	< 0.50	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.50	< 0.50	< 0.50	< 0.17	< 0.17
Chlorobenzene	100	µg/L	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50	< 0.50	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 2.5	< 2.5	< 2.5	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 1.6	0.58 J	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	0.72 J	0.74 J	< 0.50	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	57.9	58.6	59.9	57.3	48.9
Ethylbenzene	700	µg/L	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.50	< 0.50	< 0.50	< 0.22	< 0.22
Isopropylbenzene	NE	µg/L	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.14	< 0.14	< 0.14	< 0.39	< 0.39
Methylene chloride	5	µg/L	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.23	< 0.23	< 0.23	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50	< 0.50	< 0.71	< 0.71
n-Propylbenzene	NE	µg/L	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.50	< 0.50	< 0.50	< 0.81	< 0.81
Naphthalene	NE	µg/L	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 2.5	< 2.5	< 2.5	< 1.2	< 1.2
p-Isopropyltoluene	NE	µg/L	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.50	< 0.50	< 0.50	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 2.2	< 2.2	< 2.2	< 0.85	< 0.85
Styrene	100	µg/L	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.50	< 0.50	< 0.50	< 0.47	< 0.47
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.18	< 0.18	< 0.18	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	< 0.41	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	169	169	132	170	102
Toluene	1000	µg/L	< 0.29	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.50	< 0.50	< 0.50	< 0.17	< 0.17
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	0.84 J	0.87 J	0.82 J	< 1.1	< 1.1
Trichloroethene	5	µg/L	2.7	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	21.6	22.2	20.6	24.4	16.7
Vinyl chloride	2	µg/L	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 1.0	< 1.0	< 1.0	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.50	< 0.50	< 0.50	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-09	MW-09	MW-09 DUP	MW-09	MW-09 DUP	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09 DUP	MW-09	MW-09 DUP	MW-10
			2/7/2019	5/22/2019	5/22/2019	12/3/2019	12/3/2019	6/24/2020	9/24/2020	12/2/2020	6/15/2021	9/16/2021	12/16/2021	12/16/2021	3/30/2022	3/31/2022	10/8/2017
Parameter	EPA MCLs <sup>(1)</sup>	Units	40183089013	40188438025	40188438010	40200360003	40200360007	40210242006	40215456013	40219373006	40228627025	40233566016	40238632023	40238632028	40242796011	40242796027	40158331010
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.49	< 0.49	< 0.49	< 1.2	< 0.61	< 0.61	< 0.76	< 0.61	< 0.61	< 0.50
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.55	< 0.55	< 0.55	< 1.5	< 0.76	< 0.76	< 0.94	< 0.76	< 0.76	< 0.25
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 1.1	< 1.1	< 1.1	< 1.4	< 0.69	< 0.69	< 0.86	< 0.69	< 0.69	< 0.20
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.55	< 0.55	< 0.55	< 1.2	< 0.59	< 0.59	< 0.74	< 0.59	< 0.59	< 0.24
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.49	< 0.49	< 0.49	< 2.3	< 1.2	< 1.2	< 1.5	< 1.2	< 1.2	< 0.41
1,2,3-Trichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 4.4	< 4.4	< 4.4	< 4.1	< 2.0	< 2.0	< 2.5	< 2.0	< 2.0	< 2.1
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 1.9	< 1.9	< 1.9	< 3.8	< 1.9	< 1.9	< 2.4	< 1.9	< 1.9	< 2.2
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 1.7	< 1.7	< 1.7	< 1.8	< 0.90	< 0.90	< 1.1	< 0.90	< 0.90	< 0.50
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 1.4	< 1.4	< 1.4	< 1.3	< 0.65	< 0.65	< 0.81	< 0.65	< 0.65	< 0.50
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.56	< 0.56	< 0.56	< 1.2	< 0.58	< 0.58	< 0.73	< 0.58	< 0.58	< 0.17
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 1.7	< 1.7	< 1.7	< 1.4	< 0.71	< 0.71	< 0.89	< 0.71	< 0.71	< 0.50
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 1.3	< 1.3	< 1.3	< 1.4	< 0.70	< 0.70	< 0.88	< 0.70	< 0.70	< 0.50
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 1.9	< 1.9	< 1.9	< 3.6	< 1.8	< 1.8	< 2.2	< 1.8	< 1.8	< 0.50
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 1.9	< 1.9	< 1.9	< 3.6	< 1.8	< 1.8	< 2.2	< 1.8	< 1.8	< 0.50
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 1.5	< 1.5	< 1.5	< 3.6	< 1.8	< 1.8	< 2.2	< 1.8	< 1.8	< 0.21
Benzene	5	µg/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.49	< 0.49	< 0.49	< 1.2	< 0.59	< 0.59	< 0.74	< 0.59	< 0.59	< 0.50
Carbon tetrachloride	5	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 2.2	< 2.2	< 2.2	< 1.5	< 0.74	< 0.74	< 0.92	< 0.74	< 0.74	< 0.50
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 1.4	< 1.4	< 1.4	< 3.4	< 1.7	< 1.7	< 2.1	< 1.7	< 1.7	< 0.50
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2.5	< 2.5	< 2.5	< 4.7	< 2.4	< 2.4	< 3.0	< 2.4	< 2.4	< 2.5
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 4.4	< 4.4	< 4.4	< 6.5	< 3.3	< 3.3	< 4.1	< 3.3	< 3.3	< 0.50
cis-1,2-Dichloroethene	70	µg/L	135	287	278	100	98.2	37.6	310	97.9	124	42.3	21.1	20.7	19.1	18.3	< 0.26
Ethylbenzene	700	µg/L	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.64	< 0.64	< 0.64	< 1.3	< 0.65	< 0.65	< 0.81	< 0.65	< 0.65	< 0.50
Isopropylbenzene	NE	µg/L	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 3.4	< 3.4	< 3.4	< 4.0	< 2.0	< 2.0	< 2.5	< 2.0	< 2.0	< 0.14
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 1.2	< 1.2	< 1.2	< 1.3 L1	< 0.64	0.84 J	< 0.80	< 0.64	< 0.64	< 0.23
n-Butylbenzene	NE	µg/L	< 1.2	< 0.71	< 0.71	< 0.71	< 0.71	< 1.4	< 1.4	< 1.4	< 3.4	< 1.7	< 1.7	< 2.1	< 1.7	< 1.7	< 0.50
n-Propylbenzene	NE	µg/L	< 0.71	< 0.81	< 0.81	< 0.81	< 0.81	< 1.6	< 1.6	< 1.6	< 1.4	< 0.69	< 0.69	< 0.86	< 0.69	< 0.69	< 0.50
Naphthalene	NE	µg/L	< 0.81	< 1.2	< 1.2	< 1.2	< 1.2	< 2.4	< 2.4	< 2.4	< 4.5	< 2.3	< 2.3	< 2.8	< 2.3	< 2.3	< 2.5
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.6	< 1.6	< 1.6	< 4.2	< 2.1	< 2.1	< 2.6	< 2.1	< 2.1	< 0.50
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 1.7	< 1.7	< 1.7	< 1.7	< 0.85	< 0.85	< 1.1	< 0.85	< 0.85	< 2.2
Styrene	100	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 6.0	< 6.0	< 6.0	< 1.4	< 0.71	< 0.71	< 0.89	< 0.71	< 0.71	< 0.50
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.61	< 0.61	< 0.61	< 2.3	< 1.2	< 1.2	< 1.5	< 1.2	< 1.2	< 0.18
Tetrachloroethene	5	µg/L	294	717	769	263	264	137	1,320	343	460	232	112	106	125	117	1.6
Toluene	1000	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.54	< 0.54	< 0.54	< 1.2	< 0.58	< 0.58	< 0.72	< 0.58	< 0.58	< 0.50
trans-1,2-dichloroethene	100	µg/L	2.4 J	4.5	5.4	2.0 J	1.7 J	< 0.93	5.5	2.0 J	< 2.1	< 1.1	< 1.1	< 1.3	< 1.1	< 1.1	< 0.26
Trichloroethene	5	µg/L	40.1	110	112	36.6	35.9	18.6	134	47.3	52.9	29.5	13.3	13.2	15.0	14.8	< 0.33
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.35	< 0.35	< 0.35	< 0.70	< 0.35	< 0.35	< 0.44	< 0.35	< 0.35	< 0.18
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.93	< 0.93	< 0.93	< 2.8	< 1.4	< 1.4	< 1.8	< 1.4	< 1.4	< 1.0
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52	< 0.52	< 1.4	< 0.70	< 0.70	< 0.87	< 0.70	< 0.70	< 0.50
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 3.0	< 3.0	< 3.0	< 4.2	< 2.1	< 2.1	< 2.6	< 2.1	< 2.1	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

- NE: No standard established
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- HC = Results may be biased high because of high continuing calibration verification (CCV).
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- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
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- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10		MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
			2/7/2018	8/28/2018	11/28/2018	2/6/2019	5/22/2019	3/28/2020	9/23/2020	9/14/2021	10/7/2017	2/12/2018	8/28/2018	11/28/2018	2/8/2019	5/23/2019
Parameter	EPA MCLs <sup>(1)</sup>	Units	40164537005	40175044004	40180414014	40183089014	40188438001	40205473013	40215456014	40233566017	40158331005	40164715007	40175044002	40180414015	40183089015	40188438002
1,1,1-Trichloroethane	200	µg/L	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63
1,2,4-Trichlorobenzene	70	µg/L	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	100	µg/L	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27
Ethylbenzene	700	µg/L	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22
Isopropylbenzene	NE	µg/L	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39
Methylene chloride	5	µg/L	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71
n-Propylbenzene	NE	µg/L	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81
Naphthalene	NE	µg/L	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2
p-Isopropyltoluene	NE	µg/L	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	NE	µg/L	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	1.8	1.5	1.8	2.0	1.4	1.3	1.9	1.3	2.6	3.1	3.6	4.4	4.7	4.2
Toluene	1000	µg/L	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.50	< 0.50	< 0.17	1.4 J	< 0.17	< 0.17
trans-1,2-dichloroethene	100	µg/L	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1
Trichloroethene	5	µg/L	< 0.33	< 0.26	0.28 J	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl chloride	2	µg/L	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

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Aramark Uniform - Sikeston, Missouri

Parameter	EPA MCLs <sup>(1)</sup>	Units	MW-11	MW-11	MW-11	MW-11 DUP	MW-11	MW-11	MW-11	MW-11	MW-11	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
			3/27/2020	6/24/2020	9/23/2020	9/23/2020	12/1/2020	6/13/2021	9/14/2021	12/15/2021	3/30/2022	10/7/2017	2/7/2018	8/28/2018	11/28/2018	2/6/2019	5/21/2019	3/28/2020
			40205473010	40210242007	40215456015	40215456023	40219373007	40228627007	40233566018	40238632015	40242796012	40158331006	40164537006	40175044003	40180414016	40183089016	40188438003	40205473018
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.30	< 0.30	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.38	< 0.38	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.34	< 0.34	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.30	< 0.30	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.58	< 0.58	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.45	< 0.45	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.33	< 0.33	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.29	< 0.29	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.35	< 0.35	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.89	< 0.89	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.89	< 0.89	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.89	< 0.89	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.30	< 0.30	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.37	< 0.37	< 0.37	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6	< 1.6	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	< 0.47	< 0.47	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Ethylbenzene	700	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33	< 0.33	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32
Isopropylbenzene	NE	µg/L	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.32	< 0.32	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71
n-Propylbenzene	NE	µg/L	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.35	< 0.35	< 0.35	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81
Naphthalene	NE	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.42	< 0.42	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 0.36	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.59	< 0.59	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	3.2	3.1	2.3	2.5	3.4	2.9	2.7	2.2	2.2	0.59 J	0.58 J	0.67 J	0.55 J	0.72 J	0.75 J	0.61 J
Toluene	1000	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.29	< 0.29	< 0.29	< 0.29	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27
trans-1,2-dichloroethene	100	µg/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.53	< 0.53	< 0.53	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46
Trichloroethene	5	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33	0.28 J	0.33 J	0.28 J	< 0.26	0.29 J
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.70	< 0.70	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.35	< 0.35	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:  
(1) USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:  
blue highlighted cell indicates data from the current monitoring event.  
outlined cell indicates a regulatory exceedance

- 1. NE: No standard established
- 2. --: Not Analyzed
- 3. HC = Results may be biased high because of high continuing calibration verification (CCV).
- 4. LC = Results may be biased low because of low continuing calibration verification (CCV).
- 5. B = Analyte is also detected in the associated method blank.
- 6. M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 7. D = Data reported from a dilution.
- 8. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- 9. j = Estimated result, see data validation report for details.
- 10. j+ = Estimated result with a potential high bias. See data validation report for details.
- 11. u = data validation rules result as not detected. See data validation report for details.
- 12. EPA = United States Environmental Protection Agency
- 13. MCL = Maximum Contaminant Level



Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-12	MW-12	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
			9/24/2020	9/14/2021	10/6/2017	2/12/2018	8/29/2018	11/27/2018	2/5/2019	5/21/2019	12/3/2019	3/27/2020	6/23/2020	9/22/2020	12/1/2020	6/12/2021	9/14/2021
Parameter	EPA MCLs <sup>(1)</sup>	Units	40215456016	40233566019	40158331002	40164715011	40175044008	40180414017	40183089017	40188438004	40200360005	40205473003	40210242008	40215456017	40219373008	40228627003	40233566020
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.34
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 2.2	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 2.2	< 2.2	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.36
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.89
Benzene	5	µg/L	< 0.25	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 1.1	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 1.1	< 1.1	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 0.71	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86
Chloroform	NE	µg/L	< 1.3	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 2.2	< 1.6	< 0.50	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	< 0.27	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	< 0.47
Ethylbenzene	700	µg/L	< 0.32	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 1.7	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 0.58	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.32
n-Butylbenzene	NE	µg/L	< 0.71	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 0.81	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 1.2	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 0.80	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.42
Styrene	100	µg/L	< 3.0	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 3.0	< 3.0	< 0.36	< 0.36
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	0.67 J	0.79 J	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	< 0.41
Toluene	1000	µg/L	< 0.27	< 0.29	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.27	< 0.27	< 0.29	< 0.29
trans-1,2-dichloroethene	100	µg/L	< 0.46	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.46	< 0.46	< 0.53	< 0.53
Trichloroethene	5	µg/L	< 0.26	< 0.32	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.47	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.26	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 1.5	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.0

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

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7. D = Data reported from a dilution.
8. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
9. j = Estimated result, see data validation report for details.
10. j+ = Estimated result with a potential high bias. See data validation report for details.
11. u = data validation rules result as not detected. See data validation report for details.
12. EPA = United States Environmental Protection Agency
13. MCL = Maximum Contaminant Level



Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-13	MW-13	MW-13IS	MW-13IS	MW-13IS	MW-13IS	MW-13IS	MW-13IS	MW-13IS	MW-13IS	MW-13IS	MW-13ID	MW-13ID	MW-13ID	MW-13ID	MW-13ID
			12/14/2021	3/29/2022	12/7/2019	3/27/2020	6/23/2020	9/21/2020	12/1/2020	6/12/2021	9/14/2021	12/14/2021	3/29/2022	12/7/2019	3/27/2020	6/23/2020	9/21/2020	12/1/2020
Parameter	EPA MCLs <sup>(1)</sup>	Units	40238632001	40242796013	40200562001	40205473002	40210242009	40215456018	40219373009	40228627002	40233566021	40238632002	40242796015	40200562002	40205473001	40210242010	40215456019	40219373010
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.30	< 0.30	< 0.30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.38	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.38	< 0.38	< 0.38	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.34	< 0.34	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.34	< 0.34	< 0.34	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.30	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.30	< 0.30	< 0.30	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.58	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.58	< 0.58	< 0.58	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 1.0	< 0.63	< 2.2	< 2.2	< 2.2	< 2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 0.63	< 2.2	< 2.2	< 2.2	< 2.2
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.45	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.45	< 0.45	< 0.45	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.33	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.33	< 0.33	< 0.33	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.29	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.29	< 0.29	< 0.29	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.36	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.36	< 0.36	< 0.36	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.35	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.35	< 0.35	< 0.35	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.89	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.89	< 0.89	< 0.89	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.89	< 0.89	< 0.89	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.89	< 0.89	< 0.89	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.30	< 0.30	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.30	< 0.30	< 0.30	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.37	< 0.37	< 0.17	< 1.1	< 1.1	< 1.1	< 1.1	< 0.37	< 0.37	< 0.37	< 0.37	< 0.17	< 1.1	< 1.1	< 1.1	< 1.1
Chlorobenzene	100	µg/L	< 0.86	< 0.86	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86	< 0.86	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.2	< 1.2	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	1.4 J	< 1.3	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 1.6	< 1.6	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	< 1.6	< 1.6	< 1.6	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.47	< 0.47	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	< 0.47	< 0.47	< 0.47	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Ethylbenzene	700	µg/L	< 0.33	< 0.33	< 0.22	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33	< 0.33	< 0.33	< 0.22	< 0.32	< 0.32	< 0.32	< 0.32
Isopropylbenzene	NE	µg/L	< 1.0	< 1.0	< 0.39	< 1.7	< 1.7	< 1.7	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.39	< 1.7	< 1.7	< 1.7	< 1.7
Methylene chloride	5	µg/L	< 0.32	< 0.32	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.32	< 0.32	< 0.32	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.86	< 0.86	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.86	< 0.86	< 0.86	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	NE	µg/L	< 0.35	< 0.35	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.35	< 0.35	< 0.35	< 0.35	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
Naphthalene	NE	µg/L	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
p-Isopropyltoluene	NE	µg/L	< 1.0	< 1.0	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 1.0	< 1.0	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.42	< 0.42	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 0.42	< 0.42	< 0.42	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 0.36	< 0.36	< 0.47	< 3.0	< 3.0	< 3.0	< 3.0	< 0.36	< 0.36	< 0.36	< 0.36	< 0.47	< 3.0	< 3.0	< 3.0	< 3.0
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.59	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.59	< 0.59	< 0.59	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	< 0.41	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	< 0.41	< 0.41	< 0.41	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	1000	µg/L	< 0.29	< 0.29	0.41 Ju	< 0.27	< 0.27	< 0.27	< 0.27	< 0.29	< 0.29	< 0.29	< 0.29	< 0.17	< 0.27	< 0.27	< 0.27	< 0.27
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.53	< 1.1	< 0.46	< 0.46	< 0.46	< 0.46	< 0.53	< 0.53	< 0.53	< 0.53	< 1.1	< 0.46	< 0.46	< 0.46	< 0.46
Trichloroethene	5	µg/L	< 0.32	< 0.32	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.70	< 0.70	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 0.70	< 0.70	< 0.70	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.35	< 0.35	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.35	< 0.35	< 0.35	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.0	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
- LC = Results may be biased low because of low continuing calibration verification (CCV).
- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
- j+ = Estimated result with a potential high bias. See data validation report for details.
- u = data validation rules result as not detected. See data validation report for details.
- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-13ID	MW-13ID	MW-13ID	MW-13ID	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-14	MW-14
			6/12/2021	9/13/2021	12/14/2021	3/29/2022	10/10/2017	2/14/2018	8/31/2018	11/27/2018	2/5/2019	5/21/2019	3/27/2020	9/21/2020	9/14/2021	10/7/2017	2/12/2018
Parameter	EPA MCLs <sup>(1)</sup>	Units	40228627001	40233566022	40238632003	40242796014	40158726002	40164715017	40175274007	40180414018	40183089018	40188438005	40205473004	40215456020	40233566023	40158331003	40164715008
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.25	< 0.25
1,1,2-Trichloroethane	5	µg/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.20	< 0.20
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.24	< 0.24
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.41	< 0.41
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 2.1	< 2.1
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.2	< 2.2
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.50	< 0.50
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.50	< 0.50
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.17	< 0.17
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.50	< 0.50
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.50	< 0.50
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.50	< 0.50
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.50	< 0.50
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.21	< 0.21
Benzene	5	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.50	< 0.50
Carbon tetrachloride	5	µg/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.50	< 0.50
Chlorobenzene	100	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50
Chloroform	NE	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 2.5	< 2.5
Chloromethane	NE	µg/L	< 1.6	< 1.6	< 1.6	< 1.6	0.59 J	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	0.73 J	< 0.50
cis-1,2-Dichloroethene	70	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.47	0.32 J	0.40 J
Ethylbenzene	700	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.50	< 0.50
Isopropylbenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.14	< 0.14
Methylene chloride	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.23	< 0.23
n-Butylbenzene	NE	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50
n-Propylbenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.50	< 0.50
Naphthalene	NE	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 2.5	< 2.5
p-Isopropyltoluene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.50	< 0.50
sec-Butylbenzene	NE	µg/L	< 0.42	< 0.42	< 0.42	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 2.2	< 2.2
Styrene	100	µg/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.50	< 0.50
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.59	< 0.59	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.18	< 0.18
Tetrachloroethene	5	µg/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	< 0.50	< 0.50 M1
Toluene	1000	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.50	< 0.50
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 0.26	< 0.26
Trichloroethene	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.33	< 0.33
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18
Xylene, M + P	NE	µg/L	< 0.70	< 0.70	< 0.70	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 1.0	< 1.0
Xylene, O	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.50	< 0.50
Xylene, total	10000	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

1. NE: No standard established
2. --: Not Analyzed
3. HC = Results may be biased high because of high continuing calibration verification (CCV).
4. LC = Results may be biased low because of low continuing calibration verification (CCV).
5. B = Analyte is also detected in the associated method blank.
6. M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
7. D = Data reported from a dilution.
8. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
9. j = Estimated result, see data validation report for details.
10. j+ = Estimated result with a potential high bias. See data validation report for details.
11. u = data validation rules result as not detected. See data validation report for details.
12. EPA = United States Environmental Protection Agency
13. MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	
			8/29/2018	11/28/2018	2/5/2019	5/21/2019	3/27/2020	9/22/2020	9/14/2021	10/6/2017	2/12/2018	8/29/2018	11/27/2018	2/5/2019	5/21/2019	3/27/2020	9/22/2020
			40175044006	40180414019	40183089019	40188438006	40205473009	40215456021	40233566024	40158331001	40164715010	40175044007	40180414020	40183089020	40188438007	40205473005	40215456022
Parameter	EPA MCLs <sup>(1)</sup>	Units															
1,1,1-Trichloroethane	200	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.30	< 0.50	< 0.50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.38	< 0.25	< 0.25	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	5	µg/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.34	< 0.20	< 0.20	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	NE	µg/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.30	< 0.24	< 0.24	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	7	µg/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.58	< 0.41	< 0.41	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2,3-Trichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2	< 1.0	< 2.1	< 2.1	< 0.63	< 0.63	< 0.63	< 0.63	< 2.2	< 2.2
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 2.2	< 2.2	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.45	< 0.50	< 0.50	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dichlorobenzene	600	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.33	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	5	µg/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	NE	µg/L	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.36	< 0.50	< 0.50	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	NE	µg/L	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.35	< 0.50	< 0.50	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,4-Dichlorobenzene	75	µg/L	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.89	< 0.50	< 0.50	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2-Chlorotoluene	NE	µg/L	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.89	< 0.50	< 0.50	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
4-Chlorotoluene	NE	µg/L	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.89	< 0.21	< 0.21	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
Benzene	5	µg/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.30	< 0.50	< 0.50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride	5	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1	< 0.37	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 1.1	< 1.1
Chlorobenzene	100	µg/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chloroform	NE	µg/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 2.5	< 2.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloromethane	NE	µg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 1.6	0.66 J	< 0.50	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
cis-1,2-Dichloroethene	70	µg/L	< 0.27	< 0.27	< 0.27	0.31 J	0.30 J	< 0.27	< 0.47	< 0.26	< 0.26	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Ethylbenzene	700	µg/L	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32	< 0.33	< 0.50	< 0.50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.32	< 0.32
Isopropylbenzene	NE	µg/L	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7	< 1.0	< 0.14	< 0.14	< 0.39	< 0.39	< 0.39	< 0.39	< 1.7	< 1.7
Methylene chloride	5	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.32	< 0.23	< 0.23	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
n-Butylbenzene	NE	µg/L	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71	< 0.86	< 0.50	< 0.50	< 0.71	< 0.71	< 1.2	< 0.71	< 0.71	< 0.71
n-Propylbenzene	NE	µg/L	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81	< 0.35	< 0.50	< 0.50	< 0.81	< 0.81	< 0.71	< 0.81	< 0.81	< 0.81
Naphthalene	NE	µg/L	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2	< 1.1	< 2.5	< 2.5	< 1.2	< 1.2	< 0.81	< 1.2	< 1.2	< 1.2
p-Isopropyltoluene	NE	µg/L	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 0.50	< 0.50	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
sec-Butylbenzene	NE	µg/L	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.42	< 2.2	< 2.2	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	100	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0	< 0.36	< 0.50	< 0.50	< 0.47	< 0.47	< 0.47	< 0.47	< 3.0	< 3.0
tert-Butylbenzene	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.59	< 0.18	< 0.18	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	5	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.41	< 0.50	< 0.50	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	1000	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27	< 0.29	< 0.50	< 0.50	< 0.17	< 0.17	< 0.17	< 0.17	< 0.27	< 0.27
trans-1,2-dichloroethene	100	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46	< 0.53	< 0.26	< 0.26	< 1.1	< 1.1	< 1.1	< 1.1	< 0.46	< 0.46
Trichloroethene	5	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.33	< 0.33	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.70	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Xylene, O	NE	µg/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.35	< 0.50	< 0.50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Xylene, total	10000	µg/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

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Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-15	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-18IS	MW-18IS	MW-18IS	MW-18IS	MW-18ID	MW-18ID
			9/15/2021	6/14/2021	9/14/2021	12/15/2021	3/30/2022	6/13/2021	9/15/2021	12/15/2021	3/30/2022	6/14/2021	9/15/2021	12/15/2021	3/30/2022	6/14/2021	9/15/2021
Parameter	EPA MCLs <sup>(1)</sup>	Units	40233566025	40228627015	40233566026	40238632013	40242796016	40228627011	40233566027	40238632007	40242796017	40228627018	40233566028	40238632009	40242796019	40228627017	40233566029
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 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	< 0.34
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
Benzene	5	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Chloroform	NE	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	< 0.47	0.92 J	< 0.47	0.68 J	0.62 J	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Ethylbenzene	700	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 0.32	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32 L1	< 0.32
n-Butylbenzene	NE	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Styrene	100	µg/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
Toluene	1000	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	0.30 JU
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Trichloroethene	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	0.68 J	< 0.32	< 0.32
Vinyl chloride	2	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, M + P	NE	µg/L	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

- NE: No standard established
- : Not Analyzed
- HC = Results may be biased high because of high continuing calibration verification (CCV).
- LC = Results may be biased low because of low continuing calibration verification (CCV).
- B = Analyte is also detected in the associated method blank.
- M1 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D = Data reported from a dilution.
- J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL).
- j = Estimated result, see data validation report for details.
- j+ = Estimated result with a potential high bias. See data validation report for details.
- u = data validation rules result as not detected. See data validation report for details.
- EPA = United States Environmental Protection Agency
- MCL = Maximum Contaminant Level

Table 3: Volatile Organic Compounds in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri

			MW-18ID	MW-18ID	MW-19	MW-19	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20	MW-21	MW-21	MW-21	MW-21
			12/15/2021	3/30/2022	6/13/2021	9/14/2021	12/15/2021	3/31/2022	6/13/2021	9/14/2021	12/15/2021	3/30/2022	6/13/2021	9/14/2021	12/15/2021	3/30/2022
Parameter	EPA MCLs <sup>(1)</sup>	Units	40238632008	40242796018	40228627013	40233566030	40238632018	40242796020	40228627012	40233566031	40238632014	40242796021	40228627010	40233566032	40238632016	40242796022
1,1,1-Trichloroethane	200	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-Tetrachloroethane	NE	µg/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-Trichloroethane	5	µg/L	< 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
1,1-Dichloroethane	NE	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-Dichloroethene	7	µg/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2,3-Trichlorobenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	70	µg/L	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	NE	µg/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	600	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloroethane	5	µg/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,3,5-Trimethylbenzene	NE	µg/L	< 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
1,3-Dichlorobenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,4-Dichlorobenzene	75	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
2-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
4-Chlorotoluene	NE	µg/L	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89	< 0.89
Benzene	5	µg/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbon tetrachloride	5	µg/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chlorobenzene	100	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Chloroform	NE	µg/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	3.1 J	< 1.2	< 1.2	< 1.2	6.2	< 1.2	< 1.2	< 1.2
Chloromethane	NE	µg/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
cis-1,2-Dichloroethene	70	µg/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Ethylbenzene	700	µg/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Isopropylbenzene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5	µg/L	< 0.32	< 0.32	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32 L1	< 0.32	< 0.32	< 0.32	< 0.32 L1	< 0.32	< 0.32	< 0.32
n-Butylbenzene	NE	µg/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
n-Propylbenzene	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Naphthalene	NE	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
p-Isopropyltoluene	NE	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NE	µg/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Styrene	100	µg/L	< 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
tert-Butylbenzene	NE	µg/L	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
Tetrachloroethene	5	µg/L	< 0.41	< 0.41	0.93 J	0.98 J	1.1	1.1	< 0.41	< 0.41	< 0.41	< 0.41	1.3	1.7	1.9	2.1
Toluene	1000	µg/L	< 0.29	< 0.29	0.73 Ju	< 0.29	< 0.29	< 0.29	0.60 Ju	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
trans-1,2-dichloroethene	100	µg/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Trichloroethene	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	0.34 J	0.36 J	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Vinyl chloride	2	µg/L	< 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
Xylene, M + P	NE	µg/L	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Xylene, O	NE	µg/L	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylene, total	10000	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

1. NE: No standard established
2. --: Not Analyzed
3. HC = Results may be biased high because of high continuing calibration verification (CCV).
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9. j = Estimated result, see data validation report for details.
10. j+ = Estimated result with a potential high bias. See data validation report for details.
11. u = data validation rules result as not detected. See data validation report for details.
12. EPA = United States Environmental Protection Agency
13. MCL = Maximum Contaminant Level



**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-01 10/7/2017	MW-01 8/28/2018	MW-01 2/6/2019	MW-01 9/22/2020	MW-01 9/14/2021	MW-02 10/10/2017	MW-02 8/30/2018	MW-02 2/7/2019
			40158331004	40175044001	40183089001	40215456001	40233566001	40158726001	40175274001	40183089002
Iron, dissolved	ug/L	300 <sup>(2)</sup>	359	--	1,280	246	296	924	--	526
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	49.7	--	49.8	32.5	34.7	30.1	--	22.4
Nitrogen, nitrate + nitrite	mg/L	10	0.91	1.4	0.13 J	0.26	0.51	0.19 J	0.41	< 0.095
Sulfate	mg/L	250 <sup>(2)</sup>	28.3	25.4 j+	34.2	21.1	18.5	21.2	23.1	25.0
Total Organic Carbon as NPOC	mg/L	NE	2.1	2.5 j+	2.1	--	--	2.5	2.4	2.1
Ethane	ug/L	NE	< 0.58	< 0.58	< 0.58	--	--	< 0.58	< 0.58	< 0.58
Ethene	ug/L	NE	< 0.52	< 0.52	< 0.52	--	--	< 0.52	< 0.52	< 0.52
Methane	ug/L	NE	< 1.4	< 1.4	< 1.4	--	--	< 1.4	< 1.4	< 1.4

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

Notes:

  blue highlighted cell indicates data from the current monitoring event.

  outlined cell indicates a regulatory exceedance

1. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL)
2. j+ = estimated result with a potential high bias. See data validation report for details.
3. j- = estimated result with a potential low bias. See data validation report for details.
4. -- = Not analyzed
5. EPA = United States Environmental Protection Agency
6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon



**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells**  
**Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-02 9/24/2020 40215456002	MW-02 9/16/2021 40233566002	MW-02A 9/16/2021 40233566003	MW-03 10/11/2017 40158726008	MW-03 8/30/2018 40175044016	MW-03 DUP 8/30/2018 40175044017	MW-03 2/8/2019 40183089004	MW-03 DUP 2/8/2019 40183089024
Iron, dissolved	ug/L	300 <sup>(2)</sup>	370	62.8 JU	2,340	547	--	--	126 J	125 J
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	20.5	15.6 J+	662	47.3	--	--	20.2	20.2
Nitrogen, nitrate + nitrite	mg/L	10	0.10 J	0.24 J	< 0.059	1.2	1.4	1.5	1.3	1.2
Sulfate	mg/L	250 <sup>(2)</sup>	19.2	15.1 J+	28.8 J+	22.4	28.3 j+	27.2 j+	21.6	21.5
Total Organic Carbon as NPOC	mg/L	NE	--	--	--	2.3	2.5 j+	2.6 j+	1.6	1.6
Ethane	ug/L	NE	--	--	--	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Ethene	ug/L	NE	--	--	--	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52
Methane	ug/L	NE	--	--	--	4.7	1.5 J	1.5 J	< 1.4	< 1.4

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

Notes:

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  outlined cell indicates a regulatory exceedance

1. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL)
2. j+ = estimated result with a potential high bias. See data validation report for details.
3. j- = estimated result with a potential low bias. See data validation report for details.
4. -- = Not analyzed
5. EPA = United States Environmental Protection Agency
6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-03 9/24/2020 40215456004	MW-03 DUP 9/24/2020 40215456025	MW-03 9/16/2021 40233566004	MW-03 DUP 9/16/2021 40233566036	MW-03IS 9/16/2021 40233566005	MW-03ID 9/16/2021 40233566006	MW-03A 10/10/2017 40158726004
Iron, dissolved	ug/L	300 <sup>(2)</sup>	95.4 J	90.5 J	58.7 JU	60.8 JU	2,700	< 56.7	2,240
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	21.0	22.0	18.6 J+	18.9 J+	1,840	3.0 JU	840
Nitrogen, nitrate + nitrite	mg/L	10	3.8	3.9	1.3	1.3 J-	< 0.059	< 0.059	< 0.095
Sulfate	mg/L	250 <sup>(2)</sup>	30.3	29.9	19.2 J+	18.1 J+	32.8 J+	49.2 J+	31.2
Total Organic Carbon as NPOC	mg/L	NE	--	--	--	--	--	--	0.65 J
Ethane	ug/L	NE	--	--	--	--	--	--	< 0.58
Ethene	ug/L	NE	--	--	--	--	--	--	< 0.52
Methane	ug/L	NE	--	--	--	--	--	--	5.6

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

Notes:

blue highlighted cell indicates data from the current monitoring event.

outlined cell indicates a regulatory exceedance

1. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL)
2. j+ = estimated result with a potential high bias. See data validation report for details.
3. j- = estimated result with a potential low bias. See data validation report for details.
4. -- = Not analyzed
5. EPA = United States Environmental Protection Agency
6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-03A 8/31/2018 40175274004	MW-03A 2/8/2019 40183089005	MW-03A 9/24/2020 40215456005	MW-03A 9/16/2021 40233566007	MW-04 9/14/2021 40233566008	MW-05 10/8/2017 40158331011	MW-05 8/30/2018 40175044014	MW-05 2/6/2019 40183089007
Iron, dissolved	ug/L	300 <sup>(2)</sup>	--	2,580	2,370	2,690	66.4 J	7,130	--	4,290
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	--	881	898	966	8.5	156	--	84.9
Nitrogen, nitrate + nitrite	mg/L	10	< 0.095	< 0.095	< 0.059	< 0.059	0.39	< 0.095	< 0.095	< 0.095
Sulfate	mg/L	250 <sup>(2)</sup>	29.0	31.3	30.9	31.3 J+	9.9 J+	26.5	20.6 j+	19.4
Total Organic Carbon as NPOC	mg/L	NE	0.79 J	0.53 J	--	--	--	1.5	1.8 j+	0.94
Ethane	ug/L	NE	< 0.58	< 0.58	--	--	--	< 0.58	< 0.58	< 0.58
Ethene	ug/L	NE	1.4 J	< 0.52	--	--	--	< 0.52	< 0.52	< 0.52
Methane	ug/L	NE	39.1 j+	3.1	--	--	--	< 1.4	< 1.4	< 1.4

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

Notes:

blue highlighted cell indicates data from the current monitoring event.

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1. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL)
2. j+ = estimated result with a potential high bias. See data validation report for details.
3. j- = estimated result with a potential low bias. See data validation report for details.
4. -- = Not analyzed
5. EPA = United States Environmental Protection Agency
6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-05 9/24/2020	MW-05 9/15/2021	MW-06 10/8/2017	MW-06 DUP 10/8/2017	MW-06 8/30/2018	MW-06 2/7/2019	MW-06 9/23/2020	MW-06 9/15/2021	MW-06 DUP 9/15/2021
			40215456007	40233566009	40158331009	40158331012	40175044015	40183089008	40215456009	40233566010	40233566034
Iron, dissolved	ug/L	300 <sup>(2)</sup>	4,800	3,220	10,200	10,200	--	9,190	8,270	11900	11300
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	104	86.1	931	942	--	781	609	801	742
Nitrogen, nitrate + nitrite	mg/L	10	< 0.059	< 0.059	< 0.095	< 0.095	< 0.095	< 0.095	0.062 J	< 0.059	< 0.059
Sulfate	mg/L	250 <sup>(2)</sup>	18.9	19.2 J+	29.8	29.8	20.9 j+	20.9	21.0	24.6 J+	22.0 J+
Total Organic Carbon as NPOC	mg/L	NE	--	--	1.1	0.96	1.2 j+	1.1	--	--	--
Ethane	ug/L	NE	--	--	< 0.58	< 0.58	< 0.58	< 0.58	--	--	--
Ethene	ug/L	NE	--	--	< 0.52	< 0.52	< 0.52	< 0.52	--	--	--
Methane	ug/L	NE	--	--	< 1.4	< 1.4	< 1.4	< 1.4	--	--	--

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

Notes:

  blue highlighted cell indicates data from the current monitoring event.

  outlined cell indicates a regulatory exceedance

1. J = estimated result between the method detection limit (MDL) and the practical quantitation limit (PQL)
2. j+ = estimated result with a potential high bias. See data validation report for details.
3. j- = estimated result with a potential low bias. See data validation report for details.
4. -- = Not analyzed
5. EPA = United States Environmental Protection Agency
6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells**  
**Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-06IS 9/15/2021 40233566045	MW-06IS DUP 9/15/2021 40233566035	MW-06A 10/11/2017 40158726007	MW-06A 8/31/2018 40175274005	MW-06A 2/7/2019 40183089009	MW-06A 9/23/2020 40215456008	MW-06A 9/15/2021 40233566044	MW-07 10/8/2017 40158331008
Iron, dissolved	ug/L	300 <sup>(2)</sup>	3720	4000	746	--	1,730	1,510	1560	6,170
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	2010	2120	315	--	379	403	408	458
Nitrogen, nitrate + nitrite	mg/L	10	< 0.059 J-	< 0.059 J-	< 0.095	< 0.095	< 0.095	< 0.059	< 0.059 J-	< 0.095
Sulfate	mg/L	250 <sup>(2)</sup>	23.8 J+	22.6 J+	31.0	23.6	24.8	24.7	27.0 J+	28.1
Total Organic Carbon as NPOC	mg/L	NE	--	--	0.79 J	0.89	0.56 J	--	--	1.8
Ethane	ug/L	NE	--	--	< 0.58	< 0.58	< 0.58	--	--	< 0.58
Ethene	ug/L	NE	--	--	< 0.52	< 0.52	< 0.52	--	--	< 0.52
Methane	ug/L	NE	--	--	< 1.4	31.8	19.0	--	--	< 1.4

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

Notes:

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5. EPA = United States Environmental Protection Agency
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**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-07 8/29/2018 40175044010	MW-07 DUP 8/29/2018 40175044012	MW-07 2/8/2019 40183089010	MW-07 DUP 2/8/2019 40183089023	MW-07 9/23/2020 40215456010	MW-07 9/15/2021 40233566011	MW-08 10/11/2017 40158726006	MW-08 8/29/2018 40175044009
Iron, dissolved	ug/L	300 <sup>(2)</sup>	--	--	8,200	8,260	7,220	9,500	9,920	--
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	--	--	519	511	466	588	1,550	--
Nitrogen, nitrate + nitrite	mg/L	10	< 0.095	< 0.095	< 0.095	< 0.095	< 0.059	< 0.059	< 0.095	< 0.095
Sulfate	mg/L	250 <sup>(2)</sup>	26.8 j+	26.7 j+	29.9	29.9	27.2	35.2 J+	24.5	25.6 j+
Total Organic Carbon as NPOC	mg/L	NE	1.8 j+	1.7 j+	1.5	1.4	--	--	1.5	1.7 j+
Ethane	ug/L	NE	< 0.58	< 0.58	< 0.58	< 0.58	--	--	< 0.58	< 0.58
Ethene	ug/L	NE	< 0.52	< 0.52	< 0.52	< 0.52	--	--	< 0.52	< 0.52
Methane	ug/L	NE	< 1.4	< 1.4	< 1.4	< 1.4	--	--	< 1.4	< 1.4

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

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**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-08 2/6/2019 40183089011	MW-08 9/23/2020 40215456011	MW-08 DUP 9/23/2020 40215456024	MW-08 9/15/2021 40233566012	MW-08 DUP 9/15/2021 40233566033	MW-08IS 9/15/2021 40233566013	MW-08ID 9/15/2021 40233566014	MW-08A 9/15/2021 40233566015
Iron, dissolved	ug/L	300 <sup>(2)</sup>	10,100	9,800	9,530	9,390	9,220	14,300	12,400	1,300
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	1,290	1,380	1,320	1,450	1,440	1,970	2,560	363
Nitrogen, nitrate + nitrite	mg/L	10	< 0.095	0.081 J	0.096 J	< 0.059	< 0.059	< 0.059	0.065 J	< 0.059
Sulfate	mg/L	250 <sup>(2)</sup>	29.5	30.6	30.5	23.0	23.3 J+	21.3 J+	24.7 J+	23.9 J+
Total Organic Carbon as NPOC	mg/L	NE	1.4	--	--	--	--	--	--	--
Ethane	ug/L	NE	< 0.58	--	--	--	--	--	--	--
Ethene	ug/L	NE	< 0.52	--	--	--	--	--	--	--
Methane	ug/L	NE	< 1.4	--	--	--	--	--	--	--

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

<sup>(2)</sup> Value is a Secondary MCL

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6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-09 10/11/2017	MW-09 DUP 10/11/2017	MW-09 8/30/2018	MW-09 2/7/2019	MW-09 9/24/2020	MW-09 9/16/2021	MW-10 9/14/2021	MW-11 9/14/2021
			40158726009	40158726011	40175274003	40183089013	40215456013	40233566016	40233566017	40233566018
Iron, dissolved	ug/L	300 <sup>(2)</sup>	1,220	1,210	--	650	144	188 J+	101	< 56.7
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	54.7	53.0	--	30.8	18.3	23.7 J+	18.6	36.0
Nitrogen, nitrate + nitrite	mg/L	10	0.11 J	< 0.095	0.097 J	< 0.095	0.22 J	0.25	0.17 J	2.2
Sulfate	mg/L	250 <sup>(2)</sup>	19.1	19.3	19.6	26.2	15.3	14.8 J+	28.7 J+	7.1 J+
Total Organic Carbon as NPOC	mg/L	NE	1.5	1.5	1.8	1.3	--	--	--	--
Ethane	ug/L	NE	< 0.58	< 0.58	< 0.58	< 0.58	--	--	--	--
Ethene	ug/L	NE	< 0.52	< 0.52	< 0.52	< 0.52	--	--	--	--
Methane	ug/L	NE	< 1.4	< 1.4	< 1.4	< 1.4	--	--	--	--

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

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6. MCL = Maximum Contaminant Level
7. NE = No standard established
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**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-12 9/14/2021 40233566019	MW-13 10/6/2017 40158331002	MW-13 8/29/2018 40175044008	MW-13 2/5/2019 40183089017	MW-13 9/22/2020 40215456017	MW-13 9/14/2021 40233566020	MW-13IS 9/21/2020 40215456018	MW-13IS 9/14/2021 40233566021
Iron, dissolved	ug/L	300 <sup>(2)</sup>	1,230	991	--	666	599	668	6360	6,800
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	35.5	109	--	54.5	39.3	47.9	2130	2,140
Nitrogen, nitrate + nitrite	mg/L	10	< 0.059	< 0.095	< 0.095	< 0.095	< 0.059	< 0.059	0.076 J	< 0.059
Sulfate	mg/L	250 <sup>(2)</sup>	10.3 J+	22.4	17.2 j+	14.2	8.9 JD3	11.5 J+	16.1	12.8 J+
Total Organic Carbon as NPOC	mg/L	NE	--	7.1	4.2 j+	1.8	--	--	--	--
Ethane	ug/L	NE	--	< 0.58	< 0.58	< 0.58	--	--	--	--
Ethene	ug/L	NE	--	< 0.52	< 0.52	< 0.52	--	--	--	--
Methane	ug/L	NE	--	< 1.4	< 1.4	< 1.4	--	--	--	--

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

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6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells**  
**Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-13ID 9/21/2020 40215456019	MW-13ID 9/13/2021 40233566022	MW-13A 10/10/2017 40158726002	MW-13A 8/31/2018 40175274007	MW-13A 2/5/2019 40183089018	MW-13A 9/21/2020 40215456020	MW-13A 9/14/2021 40233566023	MW-14 9/14/2021 40233566024
Iron, dissolved	ug/L	300 <sup>(2)</sup>	4,510	4,420	2,650	--	2,440	2,170	2,730	14,200
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	2,500	2,540	1,040	--	816	1,140	1,220	2,440
Nitrogen, nitrate + nitrite	mg/L	10	< 0.059	< 0.059	< 0.095	< 0.095	< 0.095	< 0.059	< 0.059	< 0.059
Sulfate	mg/L	250 <sup>(2)</sup>	36.4	28.1 J+	33.1	31.9	27.7	32.8	35.3 J+	25.5
Total Organic Carbon as NPOC	mg/L	NE	--	--	0.79 J	0.85	0.51 J	--	--	--
Ethane	ug/L	NE	--	--	< 0.58	< 0.58	< 0.58	--	--	--
Ethene	ug/L	NE	--	--	< 0.52	< 0.52	< 0.52	--	--	--
Methane	ug/L	NE	--	--	< 1.4	< 1.4	< 1.4	--	--	--

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

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5. EPA = United States Environmental Protection Agency
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**Table 4: Monitored Natural Attenuation Parameters in Groundwater - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	EPA MCLs <sup>(1)</sup>	MW-15 9/15/2021 40233566025	MW-16 9/14/2021 40233566026	MW-17 9/15/2021 40233566027	MW-18ID 9/15/2021 40233566029	MW-18IS 9/15/2021 40233566028	MW-19 9/14/2021 40233566030	MW-20 9/14/2021 40233566031	MW-21 9/14/2021 40233566032
Iron, dissolved	ug/L	300 <sup>(2)</sup>	14,100	17,800	7,870	10,200	12,200	116	15,900	526
Manganese, dissolved	ug/L	50 <sup>(2)</sup>	3,420	2,550	1,440	2,480	2,710	24.8	1,770	32.6
Nitrogen, nitrate + nitrite	mg/L	10	0.062 J	< 0.059	< 0.059	< 0.059	< 0.059	0.37	< 0.059	0.51
Sulfate	mg/L	250 <sup>(2)</sup>	26.9 J+	24.2 J+	9.0 J	34.0 J+	24.1 J+	9.0 J+	23.0 J+	7.2 J+
Total Organic Carbon as NPOC	mg/L	NE	--	--	--	--	--	--	--	--
Ethane	ug/L	NE	--	--	--	--	--	--	--	--
Ethene	ug/L	NE	--	--	--	--	--	--	--	--
Methane	ug/L	NE	--	--	--	--	--	--	--	--

Footnotes:

<sup>(1)</sup> USEPA National Primary Drinking Water Regulations, EPA 816-F-09-004, May 2009.

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5. EPA = United States Environmental Protection Agency
6. MCL = Maximum Contaminant Level
7. NE = No standard established
8. NPOC = non-purgeable organic carbon

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-01 10/11/2016	MW-01 10/7/2017	MW-01 2/6/2018	MW-01 8/28/2018	MW-01 11/28/2018	MW-01 2/6/2019	MW-01 5/21/2019	MW-01 12/3/2019	MW-01 3/27/2020
		R164201-06	40158331004	40164537001	40175044001	40180414001	40183089001	40188438013	40200360001	40205473011
Color, field		BROWN	NONE	NONE	--	BROWN	LT BRWN	NONE	BROWN	NONE
Conductance, specific	µmhos/cm	157	135.9	150.4	135	137.5	147.2	124.6	132.3	125.00
Odor, field		NONE	NONE	NONE	--	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	108.9	139.1	125	162.4	71.0	105.5	64.0	114.7	88.6
Oxygen, dissolved	mg/L	0.36	0.06	0.37	0.24	0.40	0.10	0.56	0.30	0.49
pH, field	SU	5.76	5.69	5.24	5.35	5.71	5.62	5.79	5.74	5.77
Temperature	Deg C	16.40	17.45	14.7	17.9	14.00	16.24	17.40	14.84	16.51
Turbidity, field	NTU	38.2	9.23	19.2	9.41	158.0	25.2	19.6	SLIGHT	30.3

Notes:

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- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected



**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-01 6/23/2020	MW-01 9/22/2020	MW-01 12/1/2020	MW-01 6/13/2021	MW-01 9/14/2021	MW-01 12/15/2021	MW-01 3/30/2022	MW-02 10/11/2016	MW-02 10/10/2017
		40210242001	40215456001	40219373001	40228627009	40233566001	40238632017	40242796001	R164201-07	40158726001
Color, field		NONE	NONE	BROWN	NONE	NONE	BROWN	NONE	BROWN	NONE
Conductance, specific	µmhos/cm	108.5	110.1	106.6	125.69	124.8	122.3	112.49	191	146.9
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	88.7	1.5	99.3	156.0	127.2	131.4	178.8	-1.5	84.5
Oxygen, dissolved	mg/L	0.75	0.35	3.92	0.58	0.48	0.28	1.76	0.11	0.17
pH, field	SU	5.55	5.99	5.37	5.63	5.63	5.42	5.34	5.95	5.72
Temperature	Deg C	18.37	16.71	14.81	16.73	17.63	16.10	15.98	17.85	18.39
Turbidity, field	NTU	6.3	5.3	57.9	20.4	6.7	15.1	9.8	58.6	24.8

Notes:

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- NR = Not recorded
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- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-02 2/6/2018	MW-02 8/30/2018	MW-02 11/29/2018	MW-02 2/7/2019	MW-02 5/22/2019	MW-02 3/28/2020	MW-02 9/24/2020	MW-02 9/16/2021	MW-02A 10/10/2016
		40164537002	40175274001	40180414002	40183089002	40188438014	40205473017	40215456002	40233566002	R164201-03
Color, field		TAN	NONE	BROWN	LT BRWN	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	142.8	165	147.9	144.8	150.3	144.69	123.6	140.5	354
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	71.9	142.6	31.4	56.6	-1.5	33.7	27.9	20.2	-117.3
Oxygen, dissolved	mg/L	0.22	0.13	0.09	0.17	0.26	0.14	1.76	0.10	0.11
pH, field	SU	5.68	5.57	5.99	5.84	6.24	5.92	6.46	6.01	7.68
Temperature	Deg C	15.1	19.3	16.65	15.99	19.76	17.88	20.98	18.06	19.64
Turbidity, field	NTU	123	4.63	36.8	16.0	4.0	48.0	9.9	7.5	9.22

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-02A 10/10/2017	MW-02A 2/13/2018	MW-02A 8/30/2018	MW-02A 11/29/2018	MW-02A 2/7/2019	MW-02A 5/22/2019	MW-02A 9/24/2020	MW-02A 9/16/2021	MW-03 10/11/2016
		40158726003	40164715013	40175274002	40180414003	40183089003	40188438015	40215456003	40233566003	R164201-08
Color, field		NONE	NONE	--	NONE	NONE	NONE	NONE	NONE	BROWN
Conductance, specific	µmhos/cm	337.5	338.0	335	334.7	340.9	346.4	356.8	370.9	296
Odor, field		NONE	SULFUR	--	SULFUR	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-98.8	-109.5	-174.5	-32.6	-65.6	-90.8	-46.6	-116.1	-345.1
Oxygen, dissolved	mg/L	0.11	0.77	7.01	1.34	0.11	0.68	0.90	0.47	0.09
pH, field	SU	7.32	7.40	8.20	7.26	6.77	6.69	6.75	7.20	6.20
Temperature	Deg C	18.96	15.5	21.4	15.36	16.14	17.41	18.01	17.02	18.99
Turbidity, field	NTU	24.4	3.32	2.45	10.6	11.0	6.4	2.1	4.4	24.9

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
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- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-03 10/11/2017	MW-03 2/7/2018	MW-03 8/30/2018	MW-03 11/29/2018	MW-03 2/8/2019	MW-03 5/23/2019	MW-03 12/3/2019	MW-03 3/28/2020	MW-03 6/24/2020
		40158726008	40164537003	40175044016	40180414004	40183089004	40188438016	40200360006	40205473016	40210242002
Color, field		NONE	NONE	NONE	BROWN	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	227.9	226.2	223	181.8	254.9	185.1	219.7	162.59	160.3
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	70.9	116.8	102.8	40.8	66.1	47.4	102.2	130.6	64.5
Oxygen, dissolved	mg/L	0.18	0.35	0.44	0.82	0.03	0.59	1.02	2.23	1.00
pH, field	SU	5.82	5.54	5.51	5.88	5.96	6.00	5.70	5.76	5.57
Temperature	Deg C	18.45	16.0	18.9	17.99	15.48	19.05	17.79	18.11	19.77
Turbidity, field	NTU	14.6	37.0	54.5	120.0	3.2	9.4	SLIGHT	9.24	9.7

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-03 9/24/2020	MW-03 12/2/2020	MW-03 6/15/2021	MW-03 9/16/2021	MW-03 12/16/2021	MW-03 3/31/2022	MW-03IS 6/15/2021	MW-03IS 9/16/2021	MW-03IS 12/16/2021
		40215456004	40219373002	40228627022	40233566004	40238632021	40242796002	40228627021	40233566005	40238632020
Color, field		BROWN	NONE	NONE	NONE	BROWN	LT BRWN	NONE	NONE	NONE
Conductance, specific	µmhos/cm	68.1 j	156.4	214.09	198.6	179.5	169.69	529.37	493.2	522.3
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	58.6 j	138	102.5	99.6	159.6	139.7	-295.0	-136.5	-81.4
Oxygen, dissolved	mg/L	0.51 j	0.77	1.12	0.44	0.75	0.44	0.12	0.09	0.10
pH, field	SU	6.19	5.42	5.73	5.62	5.50	5.50	7.77	7.41	6.99
Temperature	Deg C	94.10 r	18.52	18.07	18.53	18.38	17.01	18.33	18.90	17.15
Turbidity, field	NTU	20.8	6.9	14.9	9.8	72.3	23.5	8.70	4.2	7.7

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-03IS 3/31/2022	MW-03ID 6/14/2021	MW-03ID 9/16/2021	MW-03ID 12/16/2021	MW-03IDR 3/31/2022	MW-03A 10/10/2016	MW-03A 10/10/2017	MW-03A 2/13/2018	MW-03A 8/31/2018
		40242796003	40228627020	40233566006	40238632022	40242796004	R164201-04	40158726004	40164715014	40175274004
Color, field		NONE	NONE	WHITE	LT BRWN	LT BRWN	NONE	BROWN	NONE	NONE
Conductance, specific	µmhos/cm	492.92	7541.9	993.0	360.3	471.57	422	382.0	380.1	391
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	SULFUR	SULFUR
ORP, Field	mV	-96.4	1.4	NR	-310.7	-123.9	-268.2	-121.5	-143.6	-137.4
Oxygen, dissolved	mg/L	0.22	0.19	NR	0.01	0.28	0.14	0.59	0.27	5.50
pH, field	SU	7.06	12.49	11.69	9.07	7.05	7.81	7.30	7.46	7.39
Temperature	Deg C	16.10	19.15	NR	16.73	16.01	19.40	23.25	15.7	21.4
Turbidity, field	NTU	4.9	1.94	NR	11.7	41.3	8.34	58.2	4.32	4.30

Notes:

blue highlighted cell indicates data from the current monitoring event.

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected



**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-03A 11/30/2018	MW-03A 2/8/2019	MW-03A 5/23/2019	MW-03A 3/28/2020	MW-03A 9/24/2020	MW-03A 9/16/2021	MW-04 10/11/2016	MW-04 10/8/2017	MW-04 2/7/2018
		40180414005	40183089005	40188438017	40205473015	40215456005	40233566007	R164201-05	40158331007	40164537004
Color, field		NONE	NONE	NONE	Field	NONE	NONE	BROWN	NONE	NONE
Conductance, specific	µmhos/cm	381.4	375.8	403.2	parameters	145.0 j	390.8	146	129.8	171.9
Odor, field		NONE	NONE	NONE	not collected	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-58.8	-37.4	-74.1		-55.9 j	-47.2	73.5	108.4	103
Oxygen, dissolved	mg/L	0.92	0.15	1.21		0.60 j	0.63	0.13	0.11	0.42
pH, field	SU	7.31	6.81	6.67		6.60	7.25	5.66	5.53	5.48
Temperature	Deg C	16.02	14.40	19.97		94.36 r	18.14	17.39	17.65	15.9
Turbidity, field	NTU	6.1	12.9	12.7		11.8	5.1	33.3	15.4	15.2

Notes:

blue highlighted cell indicates data from the current monitoring event.

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-04 8/28/2018	MW-04 11/28/2018	MW-04 2/6/2019	MW-04 5/21/2019	MW-04 3/28/2020	MW-04 9/22/2020	MW-04 9/14/2021	MW-05 3/16/2017	MW-05 10/8/2017
		40175044005	40180414006	40183089006	40188438018	40205473014	40215456006	40233566008	A171110-02	40158331011
Color, field		GREY	LT BRWN	NONE	NONE	NONE	NONE	NONE	BROWN	NONE
Conductance, specific	µmhos/cm	128	131.2	150.0	135.8	126.76	112.5	117.7	224.6	281.0
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	123.2	36.1	91.0	16.5	81.6	-21.4	145.0	19.9	74.9
Oxygen, dissolved	mg/L	2.73	0.12	0.20	1.52	1.63	0.28	0.24	0.06	0.07
pH, field	SU	5.47	5.74	5.53	5.93	5.76	6.19	5.61	5.88	5.83
Temperature	Deg C	19.0	16.38	16.96	19.00	17.36	18.43	18.89	17.40	18.44
Turbidity, field	NTU	213	23.2	15.0	8.7	19.8	8.8	19.7	45.5	13.3

Notes:

blue highlighted cell indicates data from the current monitoring event.

1. Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
2. NR = Not recorded
3. ORP = oxidation reduction potential
4. j = result is estimated
5. r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-05 2/9/2018	MW-05 8/30/2018	MW-05 11/28/2018	MW-05 2/6/2019	MW-05 5/22/2019	MW-05 3/28/2020	MW-05 9/24/2020	MW-05 9/15/2021	MW-06 3/16/2017
		40164715002	40175044014	40180414007	40183089007	40188438019	40205473020	40215456007	40233566009	A171110-04
Color, field		NONE	NONE	LT BRWN	NONE	NONE	NONE	BROWN	NONE	NONE
Conductance, specific	µmhos/cm	245.0	230	217.0	155.1	178.8	200.27	68.7 j	175.0	425.9
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	47.8	8.5	78.1	10.3	25.5	43.4	42.8 j	62.8	-16.8
Oxygen, dissolved	mg/L	0.64	0.50	0.19	0.06	2.51	3.53	-0.05 j	0.13	0.10
pH, field	SU	5.81	5.77	5.98	5.97	6.00	6.08	6.35	5.91	6.54
Temperature	Deg C	16.8	18.7	15.44	17.14	19.14	17.72	93.69 r	20.34	16.66
Turbidity, field	NTU	43.6	8.10	2.7	8.3	7.3	7.65	30.7	46.8	28.9

Notes:

blue highlighted cell indicates data from the current monitoring event.

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-06 10/8/2017	MW-06 2/9/2018	MW-06 8/30/2018	MW-06 11/29/2018	MW-06 2/7/2019	MW-06 5/23/2019	MW-06 12/4/2019	MW-06 3/28/2020	MW-06 6/24/2020
		40158331009	40164715003	40175044015	40180414008	40183089008	40188438020	40200360009	40205473019	40210242003
Color, field		NONE	TAN	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	347.9	381.2	201	305.7	292.5	317.0	275.3	277.86	269.7
Odor, field		NONE	SULFUR	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-6.7	-47.5	103.9	-34.5	-16.2	4.3	-11.9	-11.5	6.9
Oxygen, dissolved	mg/L	0.04	0.16	2.69	0.07	0.04	0.06	0.11	0.12	0.07
pH, field	SU	6.32	6.38	5.81	6.61	6.30	6.04	6.46	6.46	5.81
Temperature	Deg C	17.61	16.1	18.6	16.69	15.71	18.88	17.21	18.69	19.61
Turbidity, field	NTU	12.7	47.0	3.63	3.4	10.7	6.5	SLIGHT	14.0	7.0

Notes:

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-06 9/23/2020	MW-06 12/2/2020	MW-06 6/15/2021	MW-06 9/15/2021	MW-06 12/15/2021	MW-06 3/30/2022	MW-06IS 6/15/2021	MW-06IS 9/15/2021	MW-06IS 12/15/2021
		40215456009	40219373003	40228627024	40233566010	40238632012	40242796005	40228627023	40233566045	40238632011
Color, field		NONE	NONE	NONE	NONE	NONE	LT BRWN	NONE	NONE	NONE
Conductance, specific	µmhos/cm	260.7	232.0	308.84	338.0	355.4	298.45	548.50	454.0	515.0
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-52.0	45.6	5.2	-8.6	-4.7	-14.1	-24.2	-147.5	-123.9
Oxygen, dissolved	mg/L	0.27	0.19	0.38	0.12	0.08	0.32	0.17	0.08	0.14
pH, field	SU	7.06	6.14	6.41	6.39	6.23	6.16	7.26	7.37	7.06
Temperature	Deg C	18.57	16.78	18.00	20.16	17.26	17.65	18.47	17.89	17.13
Turbidity, field	NTU	8.4	4.5	7.49	11.5	12.5	10.4	19.5	2.5	4.1

Notes:

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- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-06IS 3/30/2022 40242796006	MW-06A 10/11/2017 40158726007	MW-06A 2/14/2018 40164715015	MW-06A 8/31/2018 40175274005	MW-06A 11/29/2018 40180414009	MW-06A 2/7/2019 40183089009	MW-06A 5/23/2019 40188438021	MW-06A 9/23/2020 40215456008	MW-06A 9/15/2021 40233566044
Color, field		NONE	NONE	NONE	NONE	BROWN	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	467.73	361.8	323.6	326	316.1	322.5	336.1	326.1	332.7
Odor, field		NONE	NONE	SULFUR	SULFUR	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-95.5	-114.7	-135.8	-140.8	-34.6	-29.8	-65.8	-98.6	-113.8
Oxygen, dissolved	mg/L	0.16	0.29	0.19	8.17	3.14	1.05	1.63	2.26	1.86
pH, field	SU	6.90	7.32	7.50	8.02	7.42	6.80	6.65	7.33	7.37
Temperature	Deg C	17.26	20.52	15.7	20.6	15.57	14.49	18.89	19.10	19.15
Turbidity, field	NTU	8.0	24.2	4.31	6.27	56.7	15.9	9.9	9.0	4.5

Notes:

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected



**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-07 3/16/2017	MW-07 10/8/2017	MW-07 2/9/2018	MW-07 8/29/2018	MW-07 11/29/2018	MW-07 2/8/2019	MW-07 5/23/2019	MW-07 12/4/2019	MW-07 3/27/2020
		A171110-03	40158331008	40164715004	40175044010	40180414010	40183089010	40188438022	40200360010	40205473006
Color, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	345.8	252.2	322.1	279	298.0	254.9	265.6	210.0	205.23
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	16.0	9.7	-11.1	-46.8	-18.1	66.1	-20.8	36.1	18.0
Oxygen, dissolved	mg/L	0.12	0.03	0.14	0.11	0.06	0.03	0.08	0.14	0.17
pH, field	SU	6.29	6.22	6.24	6.26	6.54	5.96	6.24	6.15	6.15
Temperature	Deg C	15.97	16.89	15.2	17.7	16.12	15.48	19.07	16.28	21.82
Turbidity, field	NTU	36.1	3.47	57.5	13.4	2.8	3.2	4.0	SLIGHT	4.87

Notes:

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-07 6/24/2020	MW-07 9/23/2020	MW-07 12/2/2020	MW-07 6/14/2021	MW-07 9/15/2021	MW-07 12/15/2021	MW-07 3/30/2022	MW-08 3/16/2017	MW-08 10/11/2017
		40210242004	40215456010	40219373004	40228627019	40233566011	40238632010	40242796007	A171110-01	40158726006
Color, field		NONE	NONE	BROWN	NONE	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	187.9	246.9	204.5	227.53	336.2	338.6	266.66	507.0	467.5
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	28.7	-46.7	77.4	41.9	41.7	26.8	34.7	9.2	-45.4
Oxygen, dissolved	mg/L	0.15	0.08	0.29	0.22	0.15	0.11	0.55	0.94	0.05
pH, field	SU	5.68	6.72	5.75	6.04	6.08	6.06	6.04	6.59	6.53
Temperature	Deg C	18.50	17.72	15.49	17.65	18.24	16.68	16.99	15.74	16.79
Turbidity, field	NTU	4.1	3.7	16.2	6.69	9.1	8.2	8.9	12.6	14.8

Notes:

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- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-08 2/12/2018	MW-08 8/29/2018	MW-08 11/29/2018	MW-08 2/6/2019	MW-08 5/22/2019	MW-08 12/4/2019	MW-08 3/27/2020	MW-08 6/24/2020	MW-08 9/23/2020
		40164715009	40175044009	40180414011	40183089011	40188438023	40200360008	40205473007	40210242005	40215456011
Color, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	BROWN
Conductance, specific	µmhos/cm	523.7	493	470.3	447.2	489.6	529.3	511.04	564.0	526.4
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-64.9	-98.0	-34.6	-21.3	-39.7	-45.9	-44.3	-2.1	-21.6
Oxygen, dissolved	mg/L	0.16	0.17	0.04	0.25	0.12	0.08	0.63	0.12	3.34
pH, field	SU	6.77	6.61	6.66	6.30	6.35	6.72	6.67	5.88	7.18
Temperature	Deg C	14.8	18.6	16.45	16.79	18.90	17.07	16.94	19.34	17.84
Turbidity, field	NTU	19.4	16.0	2.0	6.7	3.0	SLIGHT	9.80	7.7	17.3

Notes:

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- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-08 12/2/2020	MW-08 6/13/2021	MW-08 9/15/2021	MW-08 12/14/2021	MW-08 3/29/2022	MW-08IS 6/13/2021	MW-08IS 9/15/2021	MW-08IS 12/14/2021	MW-08IS 3/29/2022
		40219373005	40228627006	40233566012	40238632005	40242796008	40228627005	40233566013	40238632004	40242796010
Color, field		NONE	NONE	BROWN	BROWN	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	460.3	519.56	455.7	421.1	454.61	543.00	470.0	450.5	511.57
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	SL SULF
ORP, Field	mV	16.8	-9.2	-23.4	-40.0	1.4	-312.3	-136.4	-108.7	-102.0
Oxygen, dissolved	mg/L	0.21	0.19	0.09	0.23	0.14	0.13	0.14	0.10	0.19
pH, field	SU	6.32	6.56	6.45	6.31	6.19	7.39	7.10	6.83	6.59
Temperature	Deg C	15.48	17.21	19.41	16.28	16.28	18.16	17.85	16.38	16.47
Turbidity, field	NTU	15.1	17.0	18.5	12.7	9.5	7.18	12.7	10.8	5.1

Notes:

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- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-08ID 6/13/2021	MW-08ID 9/15/2021	MW-08ID 12/14/2021	MW-08ID 3/29/2022	MW-08A 10/11/2017	MW-08A 2/14/2018	MW-08A 8/31/2018	MW-08A 11/29/2018	MW-08A 2/6/2019
		40228627004	40233566014	40238632006	40242796009	40158726005	40164715016	40175274006	40180414012	40183089012
Color, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	516.90	447.9	465.3	441.53	313.4	295.7	298	288.4	287.6
Odor, field		NONE	NONE	NONE	SL SULF	NONE	SULFUR	SULFUR	NONE	NONE
ORP, Field	mV	-86.9	-137.9	-87.9	-103.3	-60.7	-116.9	-135.5	-55.4	-42.9
Oxygen, dissolved	mg/L	0.21	0.15	1.44	0.25	0.53	0.97	7.64	1.95	1.18
pH, field	SU	7.02	7.05	6.81	6.83	6.94	7.45	8.20	7.48	6.81
Temperature	Deg C	18.20	18.61	16.37	16.32	16.44	15.7	21.9	16.02	16.12
Turbidity, field	NTU	15.4	1.5	15.2	8.8	25.7	4.27	5.56	12.1	10.3

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-08A 5/22/2019	MW-08A 3/27/2020	MW-08A 9/23/2020	MW-08A 9/15/2021	MW-09 10/11/2017	MW-09 2/9/2018	MW-09 8/30/2018	MW-09 11/29/2018	MW-09 2/7/2019
		40188438024	40205473008	40215456012	40233566015	40158726009	40164715001	40175274003	40180414013	40183089013
Color, field		NONE	Field	NONE	NONE	NONE	NR	--	NONE	NONE
Conductance, specific	µmhos/cm	306.6	parameters	302.8	299.8	192.1	208.1	188	160.8	197.2
Odor, field		SULFUR	not collected	NONE	NONE	NONE	NR	--	NONE	NONE
ORP, Field	mV	-69.0		-124.8	-143.8	71.9	64.5	36.0	44.5	33.1
Oxygen, dissolved	mg/L	1.73		2.09	1.29	0.06	0.18	0.14	0.23	0.08
pH, field	SU	6.99		7.75	7.55	5.98	5.75	5.72	5.99	5.96
Temperature	Deg C	19.99		19.14	18.61	18.05	18.1	18.5	18.26	18.0
Turbidity, field	NTU	2.2		10.5	2.2	17.6	42.0	37.6	10.9	12.7

Notes:

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The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-09 5/22/2019	MW-09 12/3/2019	MW-09 6/24/2020	MW-09 9/24/2020	MW-09 12/2/2020	MW-09 6/15/2021	MW-09 9/16/2021	MW-09 12/16/2021	MW-09 3/30/2022
		40188438025	40200360003	40210242006	40215456013	40219373006	40228627025	40233566016	40238632023	40242796011
Color, field		GREY	NONE	NONE	NONE	NONE	NONE	BROWN	BROWN	NONE
Conductance, specific	µmhos/cm	255.6	191.6	145.7	80.2 j	163.5	187.89	151.0	146.1	142.23
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	29.0	65.0	94.1	57.5 j	116.9	67.2	93.7	113.7	159.2
Oxygen, dissolved	mg/L	0.21	0.24	0.37	-0.09 j	0.30	0.31	0.34	0.17	0.63
pH, field	SU	6.22	6.06	5.60	6.54 j	5.82	6.10	5.73	5.82	5.67
Temperature	Deg C	19.88	17.92	19.23	90.63 r	17.85	18.27	18.38	17.83	18.38
Turbidity, field	NTU	23.7	SLIGHT	9.6	9.8	18.2	11.7	40.7	15.0	9.0

Notes:

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The field data were used primarily for field parameter stabilization.
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- j = result is estimated
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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-10 10/8/2017	MW-10 2/7/2018	MW-10 8/28/2018	MW-10 11/28/2018	MW-10 2/6/2019	MW-10 5/22/2019	MW-10 3/28/2020	MW-10 9/23/2020	MW-10 9/14/2021
		40158331010	40164537005	40175044004	40180414014	40183089014	40188438001	40205473013	40215456014	40233566017
Color, field		BROWN	TAN	NONE	LT BRWN	LT BRWN	GREY	NONE	NONE	NONE
Conductance, specific	µmhos/cm	289.9	261.4	254	301.7	238.6	237.8	171.88	220.5	268.4
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	122.3	176.1	128.6	61.9	104.9	90.5	68.7	103.6	170.2
Oxygen, dissolved	mg/L	0.03	0.22	0.19	0.22	0.14	0.15	0.15	0.17	0.13
pH, field	SU	5.69	5.47	5.53	5.70	5.58	5.64	5.80	5.75	5.64
Temperature	Deg C	19.32	16.9	20.8	16.65	18.16	19.07	18.51	19.59	20.26
Turbidity, field	NTU	24.6	156	130	24.6	63.8	13.0	23.9	8.4	5.1

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

		MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
		10/7/2017	2/12/2018	8/28/2018	11/28/2018	2/8/2019	5/23/2019	12/3/2019	3/27/2020	6/24/2020
Parameter	Units	40158331005	40164715007	40175044002	40180414015	40183089015	40188438002	40200360002	40205473010	40210242007
Color, field		BROWN	NONE	NONE	BROWN	NONE	GREY	BROWN	NONE	GREY
Conductance, specific	µmhos/cm	95.8	98.0	87	103.7	97.8	104.4	109.6	112.08	101.5
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	165.2	173.5	220.7	66.5	109.9	84.5	98.2	107.1	97.7
Oxygen, dissolved	mg/L	0.48	0.22	2.02	1.66	1.53	3.79	2.31	2.04	2.31
pH, field	SU	5.80	5.69	5.46	5.83	5.65	5.71	5.76	5.79	5.53
Temperature	Deg C	19.19	13.1	20.2	16.11	15.88	17.98	16.42	17.64	18.41
Turbidity, field	NTU	41.7	19.6	12.2	67.4	18.1	23.0	SLIGHT	42.8	18.5

Notes:

blue highlighted cell indicates data from the current monitoring event.

1. Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
2. NR = Not recorded
3. ORP = oxidation reduction potential
4. j = result is estimated
5. r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-11 9/23/2020	MW-11 12/1/2020	MW-11 6/13/2021	MW-11 9/14/2021	MW-11 12/15/2021	MW-11 3/30/2022	MW-12 10/7/2017	MW-12 2/7/2018	MW-12 8/28/2018
		40215456015	40219373007	40228627007	40233566018	40238632015	40242796012	40158331006	40164537006	40175044003
Color, field		NONE	NONE	NONE	NONE	NONE	NONE	BROWN	NONE	NONE
Conductance, specific	µmhos/cm	81.3	109.0	99.08	108.7	101.5	84.89	100.9	105.8	107
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	72.4	133.7	143.4	145.3	128.8	141.2	109.4	108.9	113.4
Oxygen, dissolved	mg/L	0.31	0.95	0.97	1.09	0.58	0.65	0.04	0.19	0.62
pH, field	SU	5.94	5.48	5.68	5.56	5.54	5.45	5.76	5.31	5.40
Temperature	Deg C	18.21	15.97	18.24	19.62	17.19	17.17	17.98	15.0	18.6
Turbidity, field	NTU	3.3	11.1	36.5	20.3	66.3	9.8	72.2	3.52	15.8

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-12 11/28/2018	MW-12 2/6/2019	MW-12 5/21/2019	MW-12 3/28/2020	MW-12 9/24/2020	MW-12 9/14/2021	MW-13 10/6/2017	MW-13 2/12/2018	MW-13 8/29/2018
		40180414016	40183089016	40188438003	40205473018	40215456016	40233566019	40158331002	40164715011	40175044008
Color, field		NONE	LT BRWN	NONE	NONE	NONE	NONE	BROWN	NONE	NONE
Conductance, specific	µmhos/cm	105.3	104.0	93.7	115.17	96.2	105.7	132.0	120.5	139
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	SULFUR	NONE
ORP, Field	mV	59.2	99.9	57.0	62.3	-1.2	134.8	126.4	125.5	90.1
Oxygen, dissolved	mg/L	0.26	0.10	0.11	0.18	2.24	0.12	0.11	0.14	0.14
pH, field	SU	5.79	5.61	5.72	5.76	6.19	5.65	5.70	5.59	5.54
Temperature	Deg C	13.13	16.23	20.17	16.56	16.91	18.62	17.64	15.2	19.1
Turbidity, field	NTU	8.1	11.8	3.3	6.4	7.7	4.1	100.7	19.9	24.1

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-13 11/27/2018	MW-13 2/5/2019	MW-13 5/21/2019	MW-13 12/3/2019	MW-13 3/27/2020	MW-13 6/23/2020	MW-13 9/22/2020	MW-13 12/1/2020	MW-13 6/12/2021
		40180414017	40183089017	40188438004	40200360005	40205473003	40210242008	40215456017	40219373008	40228627003
Color, field		LT BRWN	LT BRWN	GREY	NONE	NONE	NONE	GREY	BROWN	NONE
Conductance, specific	µmhos/cm	131.8	117.1	102.7	95.8	100.22	95.2	76.8	79.2	96.84
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	4.4	37.7	44.6	79.7	57.8	42.5	65.5	57.7	88.1
Oxygen, dissolved	mg/L	0.08	0.05	0.11	0.14	4.09	0.12	0.10	0.22	0.55
pH, field	SU	5.96	5.82	5.91	5.90	5.92	6.14	5.93	5.62	5.67
Temperature	Deg C	15.57	16.11	18.08	15.64	17.54	18.70	17.82	15.42	17.43
Turbidity, field	NTU	13.1	25.5	26.7	SLIGHT	38.3	8.0	45.0	33.6	34.2

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-13 9/14/2021	MW-13 12/14/2021	MW-13 3/29/2022	MW-13IS 12/7/2019	MW-13IS 3/27/2020	MW-13IS 6/23/2020	MW-13IS 9/21/2020	MW-13IS 12/1/2020	MW-13IS 6/12/2021
		40233566020	40238632001	40242796013	40200562001	40205473002	40210242009	40215456018	40219373009	40228627002
Color, field		NONE	NONE	LT BRWN	NONE	NONE	NONE	NONE	BROWN	NONE
Conductance, specific	µmhos/cm	106.0	96.9	106.58	354.4	372.19	352.3	332.2	312.5	344.43
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	148.5	112.4	115.4	-351.0	-54.0	-60.9	-88.2	-48.0	-22.9
Oxygen, dissolved	mg/L	0.17	0.73	0.10	0.04	0.14	0.11	0.12	0.29	0.14
pH, field	SU	5.59	5.32	5.54	9.16	6.93	6.52	6.89	6.72	6.81
Temperature	Deg C	17.40	16.57	16.86	15.28	17.12	19.63	18.46	14.63	17.93
Turbidity, field	NTU	16.0	3.2	22.8	SLIGHT	22.4	4.3	1.8	41.2	15.6

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-13IS 9/14/2021	MW-13IS 12/14/2021	MW-13IS 3/29/2022	MW-13ID 12/7/2019	MW-13ID 3/27/2020	MW-13ID 6/23/2020	MW-13ID 9/21/2020	MW-13ID 12/1/2020	MW-13ID 6/12/2021
		40233566021	40238632002	40242796015	40200562002	40205473001	40210242010	40215456019	40219373010	40228627001
Color, field		NONE	NONE	LT BRWN	NONE	NONE	NONE	NONE	ORANGE	NONE
Conductance, specific	µmhos/cm	388.0	344.9	335.07	456.0	480.79	466.6	437.9	411.3	492.51
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	24.0	-32.2	-43.3	-255.2	-59.7	-80.7	-49.1	-82.9	-61.1
Oxygen, dissolved	mg/L	0.13	0.22	0.13	0.11	0.68	0.13	4.65	0.26	0.27
pH, field	SU	6.74	6.51	6.42	8.64	7.33	6.23	6.82	6.96	7.19
Temperature	Deg C	18.33	16.55	16.70	19.08	16.98	19.49	18.70	14.58	18.50
Turbidity, field	NTU	14.8	3.2	62.1	SLIGHT	43.9	4.9	9.3	32.4	16.4

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-13ID 9/13/2021	MW-13ID 12/14/2021	MW-13ID 3/29/2022	MW-13A 10/10/2017	MW-13A 2/14/2018	MW-13A 8/31/2018	MW-13A 11/27/2018	MW-13A 2/5/2019	MW-13A 5/21/2019
		40233566022	40238632003	40242796014	40158726002	40164715017	40175274007	40180414018	40183089018	40188438005
Color, field		NONE	NONE		NONE	NONE	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	532.4	411.4	422.08	445.4	400.7	392	256.0	378.8	451.3
Odor, field		NONE	NONE	NONE	NONE	NONE	SULFUR	NONE	NONE	NONE
ORP, Field	mV	-77.6	-88.1	-101.4	-75.6	-117.9	-44.6	-65.7	-53.8	13.6
Oxygen, dissolved	mg/L	0.11	0.21	0.39	0.29	0.49	8.32	NR	0.65	3.03
pH, field	SU	7.12	6.93	6.66	7.01	7.38	7.51	7.27	6.72	6.77
Temperature	Deg C	18.60	16.59	16.80	19.50	15.9	21.8	11.62	14.6	18.26
Turbidity, field	NTU	1.1	2.6	2.9	7.24	3.48	4.62	5.1	2.5	1.6

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-13A 3/27/2020	MW-13A 9/21/2020	MW-13A 9/14/2021	MW-14 10/7/2017	MW-14 2/12/2018	MW-14 8/29/2018	MW-14 11/28/2018	MW-14 2/5/2019	MW-14 5/21/2019
		40205473004	40215456020	40233566023	40158331003	40164715008	40175044006	40180414019	40183089019	40188438006
Color, field		Field	NONE	NONE	NONE	NONE	NONE	LT BRWN	NONE	NONE
Conductance, specific	µmhos/cm	parameters not collected	430.3	527.0	415.7	477.4	501	447.0	444.9	425.7
Odor, field			NONE	NONE	NONE	SULFUR	NONE	NONE	NONE	NONE
ORP, Field	mV		-68.6	-39.0	-64.9	-108.7	-144.6	4.2	-54.2	-48.0
Oxygen, dissolved	mg/L		1.64	1.92	0.09	0.13	0.83	2.74	0.05	0.19
pH, field	SU		6.74	6.99	6.66	7.04	6.79	6.75	6.55	6.28
Temperature	Deg C		21.05	18.25	18.47	15.9	19.4	15.91	16.81	19.57
Turbidity, field	NTU		3.6	1.8	11.8	4.19	8.51	4.3	6.3	5.2

Notes:

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- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-14 3/27/2020	MW-14 9/22/2020	MW-14 9/14/2021	MW-15 10/6/2017	MW-15 2/12/2018	MW-15 8/29/2018	MW-15 11/27/2018	MW-15 2/5/2019	MW-15 5/21/2019
		40205473009	40215456021	40233566024	40158331001	40164715010	40175044007	40180414020	40183089020	40188438007
Color, field		NONE	NONE	NONE	NONE	NONE	NONE	LT BRWN	NONE	NONE
Conductance, specific	µmhos/cm	467.21	445.5	580.8	413.7	453.0	470	516.5	487.3	424.4
Odor, field		NONE	NONE	NONE	NONE	SULFUR	NONE	NONE	NONE	NONE
ORP, Field	mV	-101.3	-81.3	-13.6	-71.7	-133.4	-174.0	-98.7	-68.6	-16.7
Oxygen, dissolved	mg/L	0.14	0.10	0.11	0.05	0.10	0.11	0.04	0.03	0.12
pH, field	SU	7.02	6.94	6.84	6.65	7.19	7.04	6.97	6.58	6.18
Temperature	Deg C	17.77	18.88	19.10	18.08	15.5	19.4	15.57	16.08	19.14
Turbidity, field	NTU	24.9	9.9	3.5	7.89	2.99	11.1	10.9	3.8	1.7

Notes:

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- NR = Not recorded
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- j = result is estimated
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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-15 3/27/2020	MW-15 9/22/2020	MW-15 9/15/2021	MW-16 6/14/2021	MW-16 9/14/2021	MW-16 12/15/2021	MW-16 3/30/2022	MW-17 6/13/2021	MW-17 9/15/2021
		40205473005	40215456022	40233566025	40228627015	40233566026	40238632013	40242796016	40228627011	40233566027
Color, field		NONE	NONE	NONE	NONE	NONE	NONE	LT SHEEN	NONE	BROWN
Conductance, specific	µmhos/cm	452.88	494.3	502.8	555.32	488.9	432.7	485.44	489.51	370.5
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-99.6	-90.0	-111.6	-62.7	-89.0	-118.7	-94.1	-101.3	-21.6
Oxygen, dissolved	mg/L	0.20	0.05	0.13	0.11	0.08	0.11	0.13	0.08	0.07
pH, field	SU	7.21	6.61	6.72	6.80	6.85	6.67	6.55	7.04	6.81
Temperature	Deg C	17.74	18.17	17.18	18.69	19.53	18.04	18.30	17.95	16.92
Turbidity, field	NTU	12.5	1.4	5.7	14.5	18.1	12.9	6.2	12.4	23.9

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected



**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-17 12/15/2021	MW-17 3/30/2022	MW-18IS 6/14/2021	MW-18IS 9/15/2021	MW-18IS 12/15/2021	MW-18IS 3/30/2022	MW-18ID 6/14/2021	MW-18ID 9/15/2021	MW-18ID 12/15/2021
		40238632007	40242796017	40228627018	40233566028	40238632009	40242796019	40228627017	40233566029	40238632008
Color, field		BROWN	NONE	NONE	NONE	NONE	LT SHEEN	NONE	NONE	NONE
Conductance, specific	µmhos/cm	409.0	389.74	442.60	388.0	431.6	435.18	416.30	432.8	460.1
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-83.7	-43.6	-71.1	-120.5	-99.5	-82.8	-54.4	-124.6	-107.4
Oxygen, dissolved	mg/L	0.11	0.12	0.19	0.09	0.15	0.14	0.19	0.14	0.11
pH, field	SU	6.42	6.31	7.03	6.99	6.68	6.52	7.20	6.96	6.75
Temperature	Deg C	16.32	17.33	17.62	17.45	16.37	16.42	18.73	16.85	16.29
Turbidity, field	NTU	8.4	5.3	6.01	3.8	4.7	5.1	0.16	9.2	3.9

Notes:

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**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-18ID	MW-19	MW-19	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20
		3/30/2022	6/13/2021	9/14/2021	12/15/2021	3/31/2022	6/13/2021	9/14/2021	12/15/2021	3/30/2022
		40242796018	40228627013	40233566030	40238632018	40242796020	40228627012	40233566031	40238632014	40242796021
Color, field		LT SHEEN	NONE	NONE	NONE	LT BRWN	NONE	NONE	NONE	NONE
Conductance, specific	µmhos/cm	400.79	231.40	102.2	103.1	97.40	502.40	482.8	377.8	422.05
Odor, field		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ORP, Field	mV	-93.3	-64.1	135.3	129.4	160.3	-224.2	-64.0	-70.2	-55.3
Oxygen, dissolved	mg/L	0.40	2.47	4.81	3.3	2.98	0.08	0.15	0.07	0.14
pH, field	SU	6.56	6.38	5.83	5.53	5.49	6.99	6.66	6.52	6.41
Temperature	Deg C	16.37	17.31	17.14	16.02	15.60	19.43	19.16	17.52	17.89
Turbidity, field	NTU	9.6	13.0	2.4	17.1	18.2	16.3	2.0	6.3	5.2

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 5: Groundwater Field Measurements - Monitoring Wells  
Aramark Uniform - Sikeston, Missouri**

Parameter	Units	MW-21 6/13/2021	MW-21 9/14/2021	MW-21 12/15/2021	MW-21 3/30/2022
		40228627010	40233566032	40238632016	40242796022
Color, field		NONE	NONE	NONE	LT BRWN
Conductance, specific	µmhos/cm	324.77	117.0	93.0	94.97
Odor, field		NONE	NONE	NONE	NONE
ORP, Field	mV	-218.1	94.1	119.0	163.3
Oxygen, dissolved	mg/L	0.29	0.38	2.38	0.49
pH, field	SU	6.52	5.90	5.62	5.55
Temperature	Deg C	18.69	17.81	16.15	16.10
Turbidity, field	NTU	41.0	10.1	18.8	20.0

Notes:

blue highlighted cell indicates data from the current monitoring event.

- Field parameter results reported from several wells on 9/24/2020 are reported as estimated ("j") or rejected ("r") due to a malfunctioning temperature probe.  
The field data were used primarily for field parameter stabilization.
- NR = Not recorded
- ORP = oxidation reduction potential
- j = result is estimated
- r = result is rejected

**Table 6: Selected Analytical Results for Groundwater Samples Submitted to the Public Drinking Water Branch by the City of Sikeston**  
**Sikeston Wells CW-08, CW-13, and Plant 3**  
**Sikeston, Scott County, MO**

Well	CW-08			CW-13			Plant 3 (Treatment Plant)		
Date	cis-1,2-DCE	TCE	PCE	cis-1,2-DCE	TCE	PCE	cis-1,2-DCE	TCE	PCE
MCL (µg/L)	70	5	5	70	5	5	70	5	5
10/21/2016	<0.5	<0.5	<b>0.72</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1/20/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4/25/2017	<0.5	<b>0.56</b>	<b>1.62</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7/24/2017	<0.5	<b>0.57</b>	<b>1.66</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/23/2017	<0.5	<b>0.5</b>	<b>1.70</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1/22/2018	<0.5	<0.5	<b>1.57</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
5/29/2018	<0.5	<b>0.53</b>	<b>1.24</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7/12/2018	<0.5	<0.5	<b>0.61</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/11/2018	<0.5	<0.5	<b>1.26</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1/15/2019	<0.5	<b>0.56</b>	<b>1.02</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4/22/2019	<0.5	<b>0.64</b>	<b>1.52</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7/11/2019	<0.5	<0.5	<b>0.90</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/21/2019	<0.5	<b>0.58</b>	<b>1.08</b>	<b>0.53</b>	<0.5	<0.5	<0.5	<0.5	<0.5
1/20/2020	<0.5	<b>0.69</b>	<b>1.02</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4/19/2020	<0.5	<b>0.75</b>	<b>0.99</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7/15/2020	<0.5	<0.5	<b>0.66</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/19/2020	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1/15/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4/23/2021	<0.5	<b>0.57</b>	<b>0.89</b>	<0.5	<0.5	<b>0.58</b>	<0.5	<0.5	<0.5
7/12/2021	<0.5	<b>0.85</b>	<b>0.96</b>	<0.5	<b>0.64</b>	<b>0.63</b>	<0.5	<0.5	<0.5
10/21/2021	<b>0.72</b>	<b>1.75</b>	<b>1.71</b>	<0.5	<b>0.56</b>	<b>0.51</b>	<b>0.51</b>	<b>1.10</b>	<b>1.08</b>
1/12/2022	<b>0.84</b>	<b>1.80</b>	<b>1.55</b>	<0.5	<0.5	<0.5	<b>0.58</b>	<b>1.06</b>	<b>0.87</b>
5/16/2022	<0.5	<b>1.72</b>	<b>1.50</b>	<0.5	<0.5	<0.5	<0.5	<b>1.05</b>	<b>0.78</b>

Notes:

All results in micrograms per liter (µg/L)

cis-1,2-DCE = cis-1,2-dichloroethene

TCE = trichloroethene

PCE = tetrachloroethene

MCL = federal maximum contaminant level

Detected parameters are in **Bold** text.

Data prior to 7/2020 (and on 5/16/2022) are from Missouri Department of Natural Resources (MDNR) Drinking Water Watch (DWW):

<https://www.dnr.mo.gov/DWW/JSP/WaterSystemDetail.jsp>

Between 7/2020 and 1/12/2022, data provided by the MDNR

**Table 7: Molar Concentration Ratios**  
**Aramark Uniform - Monitoring Period December 2019 through December 2020**

<b>Well Location</b>	<b>Distance from MW-03</b>	<b>Sample Event</b>	<b>PCE/TCE</b>	<b>PCE/cis-1,2-DCE</b>	<b>TCE/cis-1,2-DCE</b>
MW-01	-340	Jun 2021	3.7	--	--
MW-09	-180		6.9	2.2	0.3
MW-03	0		10.3	2.2	0.2
MW-06	360		3.5	6.1	1.8
MW-08	685		3.6	2.4	0.7
MW-13	850		--	--	--
MW-01	-340	Sep 2021	4.6	--	--
MW-09	-180		6.2	3.2	0.5
MW-03	0		9.7	3.0	0.3
MW-06	360		2.8	7.6	2.8
MW-08IS	685		0.5	2.6	5.6
MW-13IS	850		--	--	--
MW-01	-340	Dec 2021	4.2	--	--
MW-09	-180		6.7	3.1	0.5
MW-03	0		10.2	3.5	0.3
MW-06	360		3.4	8.8	2.6
MW-08IS	685		0.4	1.6	4.1
MW-13IS	850		--	--	--
MW-01	-340	Mar 2022	5.2	--	--
MW-09	-180		6.6	3.8	0.6
MW-03	0		9.8	4.2	0.4
MW-06	360		3.7	10.8	2.9
MW-08IS	685		0.3	1.5	4.3
MW-13IS	850		--	--	--

Notes:

-- One or both compounds were not detected

At each well nest, the well with the highest concentration of total CVOCs is used for the analysis. Total CVOC concentrations are similar at MW-08 and MW-08IS; the well exhibiting the hishest total CVOC concentration each round is displayed in the table.

**Table 8: Groundwater Monitoring Program  
AUCA - Sikeston, Missouri**

Well ID	Well Designation	Analytical Program
Key Plume Monitoring Wells		
MW-01	Key upgradient well	Semi-annual for VOCs <sup>(1)</sup> Annual for MNA Parameters <sup>(2)</sup>
MW-03	Plume centerline	
MW-03IS	Plume centerline/Sentinel well	
MW-06	Plume centerline	
MW-06IS	Plume centerline/Sentinel well	
MW-07	Plume centerline	
MW-08	Plume centerline	
MW-08IS	Plume centerline/Sentinel well	
MW-08ID	Plume centerline/Sentinel well	
MW-09	Plume centerline	
MW-11	Key upgradient well	
MW-13	Sentinel well	
MW-13IS	Sentinel well	
MW-13ID	Sentinel well	
MW-18IS	Sentinel well	
MW-18ID	Sentinel well	
MW-21	Key upgradient well	
Perimeter and Deep Monitoring wells		
MW-02	Plume well	Annual for VOCs and MNA Parameters <sup>(2)</sup>
MW-02A	Deep well	
MW-03IDR	Plume centerline/Deep sentinel well	
MW-03A	Deep well	
MW-04	Perimeter well	
MW-05	Plume well	
MW-06A	Deep well	
MW-08A	Deep well	
MW-10	Perimeter well	
MW-12	Perimeter well	
MW-13A	Deep well	
MW-14	Perimeter well	
MW-15	Perimeter well	
MW-16	Perimeter well	
MW-17	Perimeter well	
MW-19	Perimeter well	
MW-20	Perimeter well	

Notes:

1. All groundwater samples will be collected using low-flow sampling techniques, which include the collection of ancillary measurements of the field indicator parameters depth to water, field pH, temperature, specific conductance, oxidation reduction potential (ORP), and dissolved oxygen.
2. Water level measurements at all site monitoring wells will be collected prior to sampling during each monitoring event.

Footnotes:

- <sup>(1)</sup> Key plume monitoring wells may be sampled for VOCs up to quarterly, if other quarterly sampling is occurring, e.g., for new monitoring well installations.
- <sup>(2)</sup> MNA Parameters include dissolved iron, dissolved manganese, sulfate, nitrogen (as nitrate + nitrite).











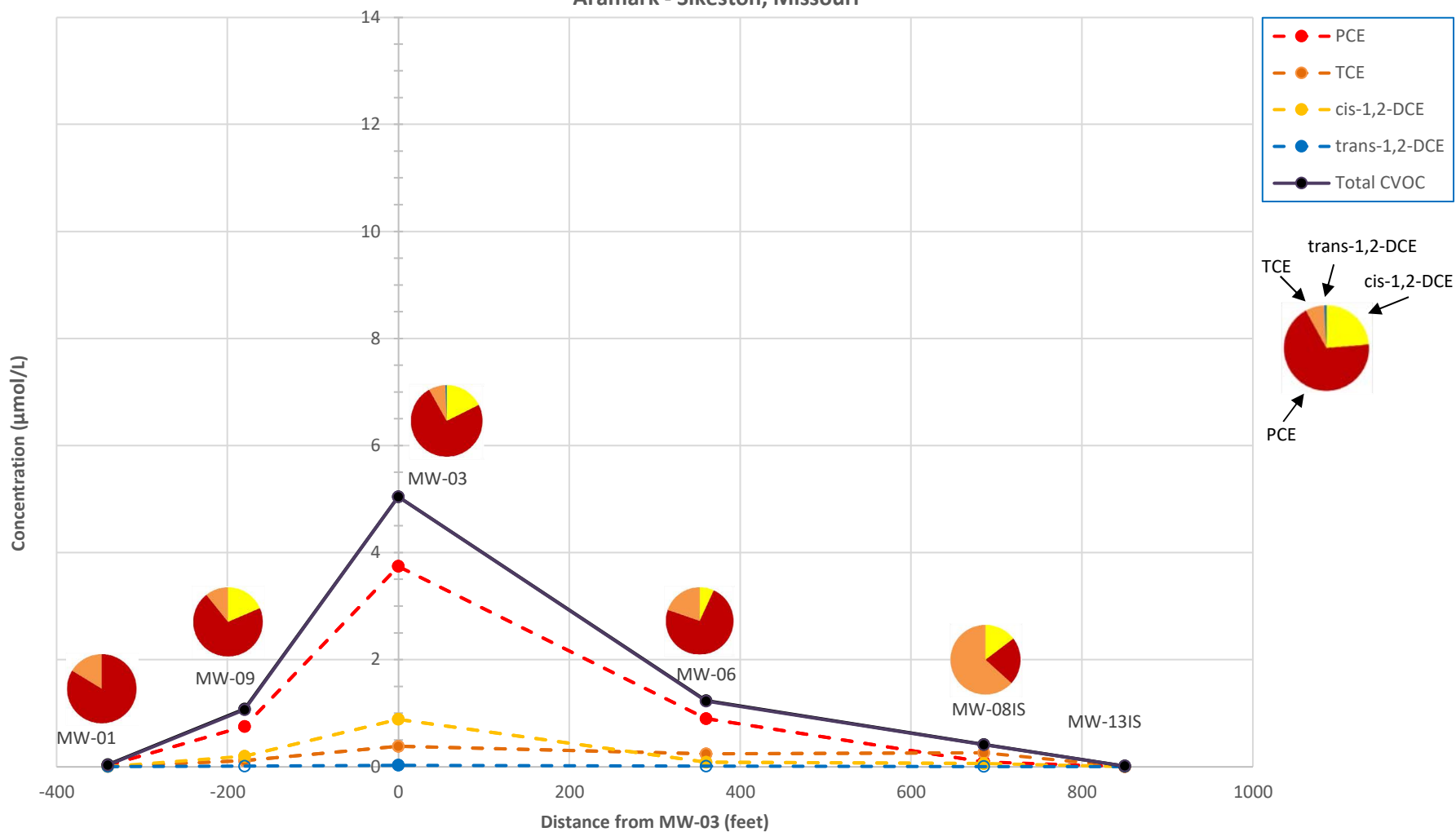








**FIGURE 9**  
**VOC Concentration vs. Distance**  
**Event #17 (March 2022)**  
**Aramark - Sikeston, Missouri**

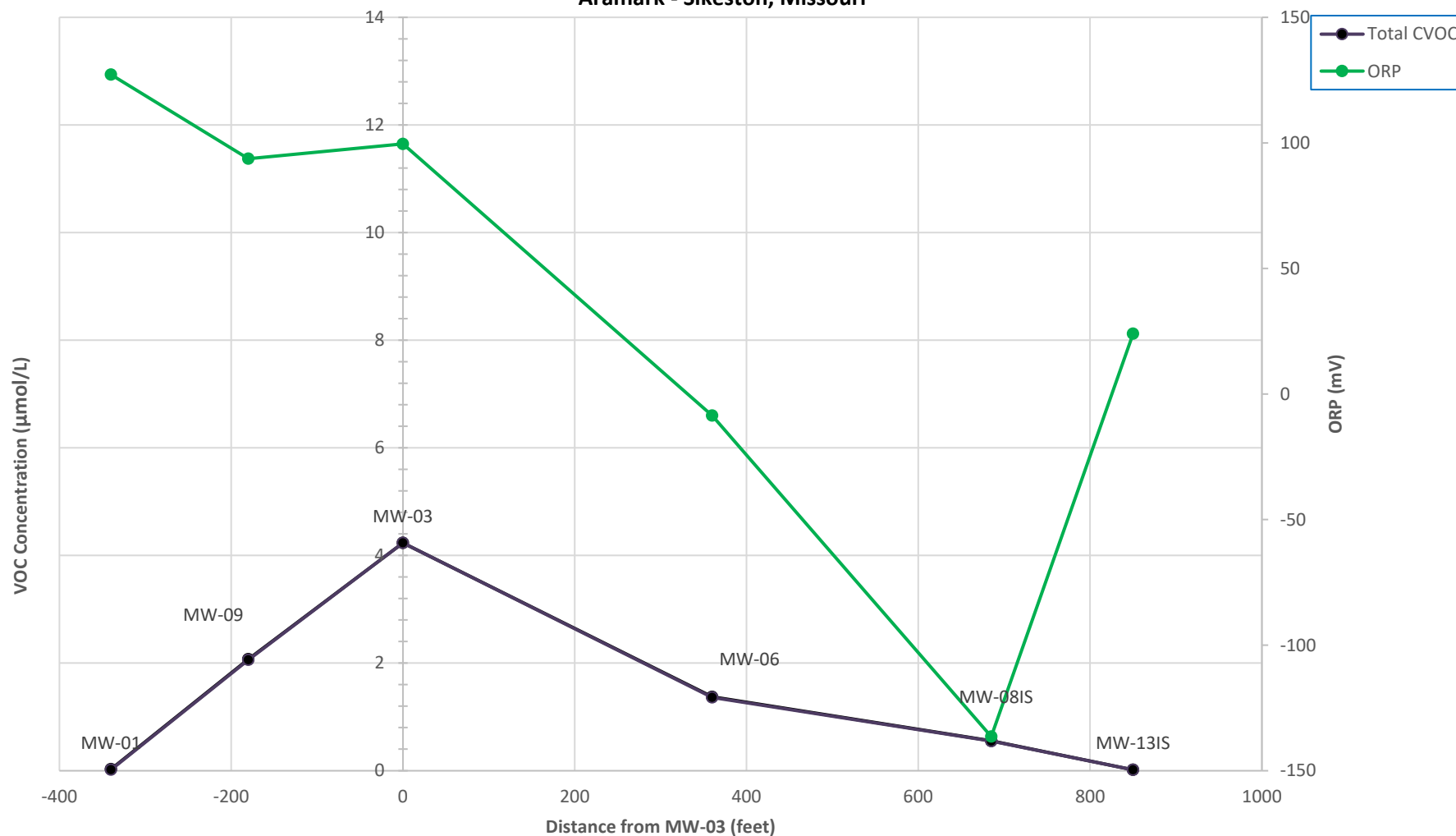


**Notes:**

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.



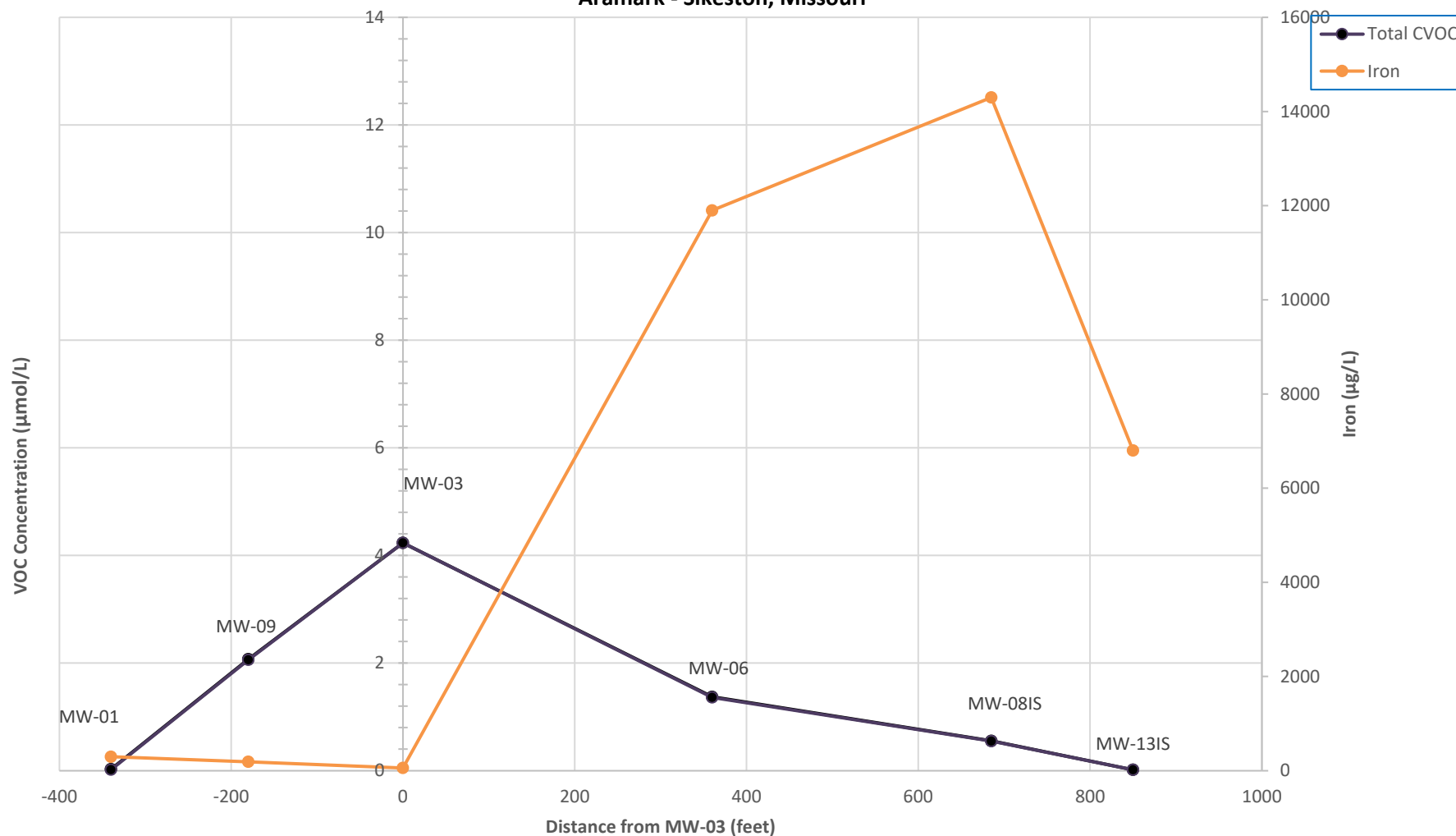
**Figure 10**  
**VOC Concentration and Oxidation Reduction Potential (ORP) vs. Distance**  
**Event #15 (September 2021)**  
**Aramark - Sikeston, Missouri**



**Notes:**

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

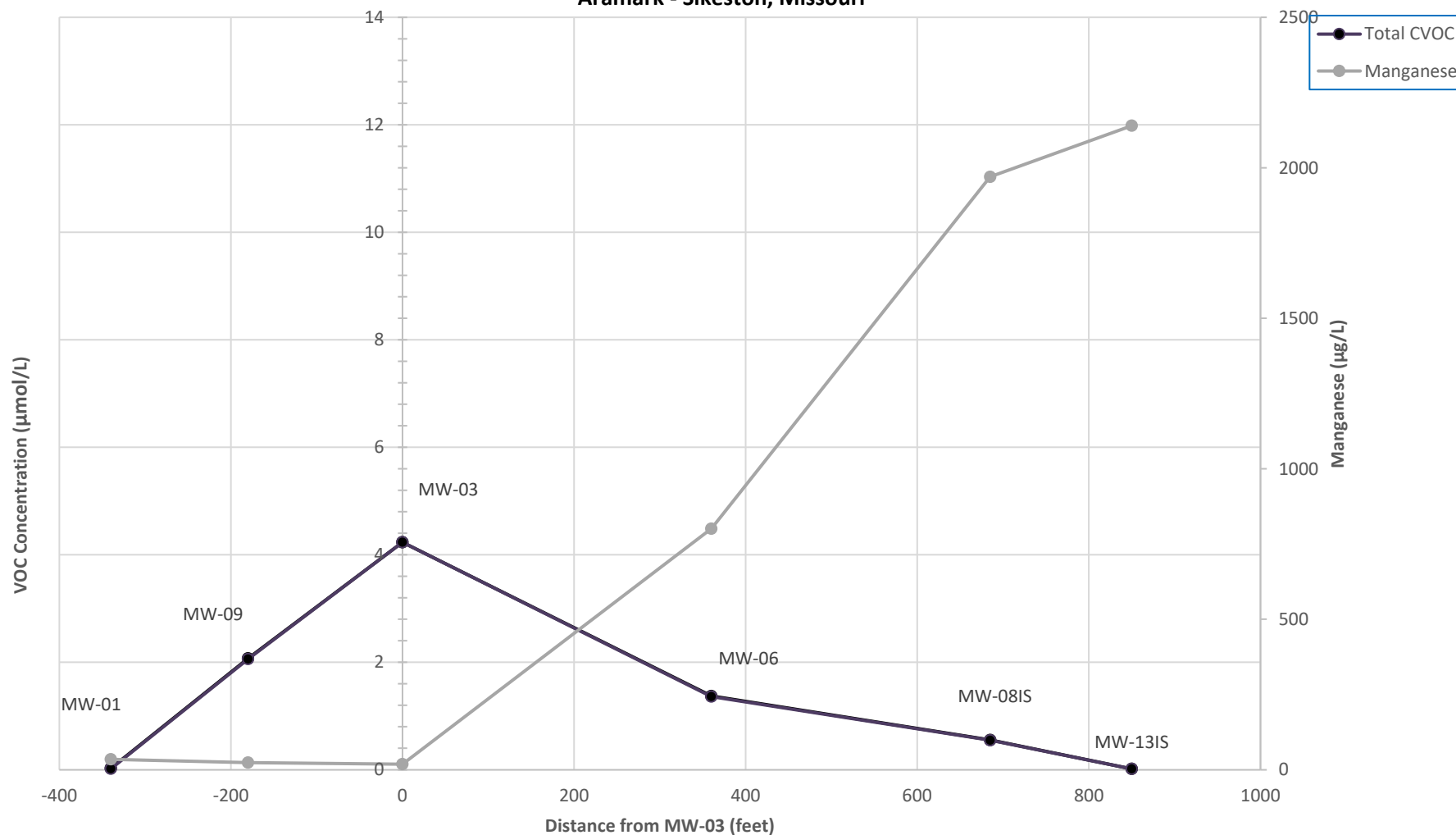
**Figure 11**  
**VOC and Iron Concentrations vs. Distance**  
**Event #15 (September 2021)**  
**Aramark - Sikeston, Missouri**



**Notes:**

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

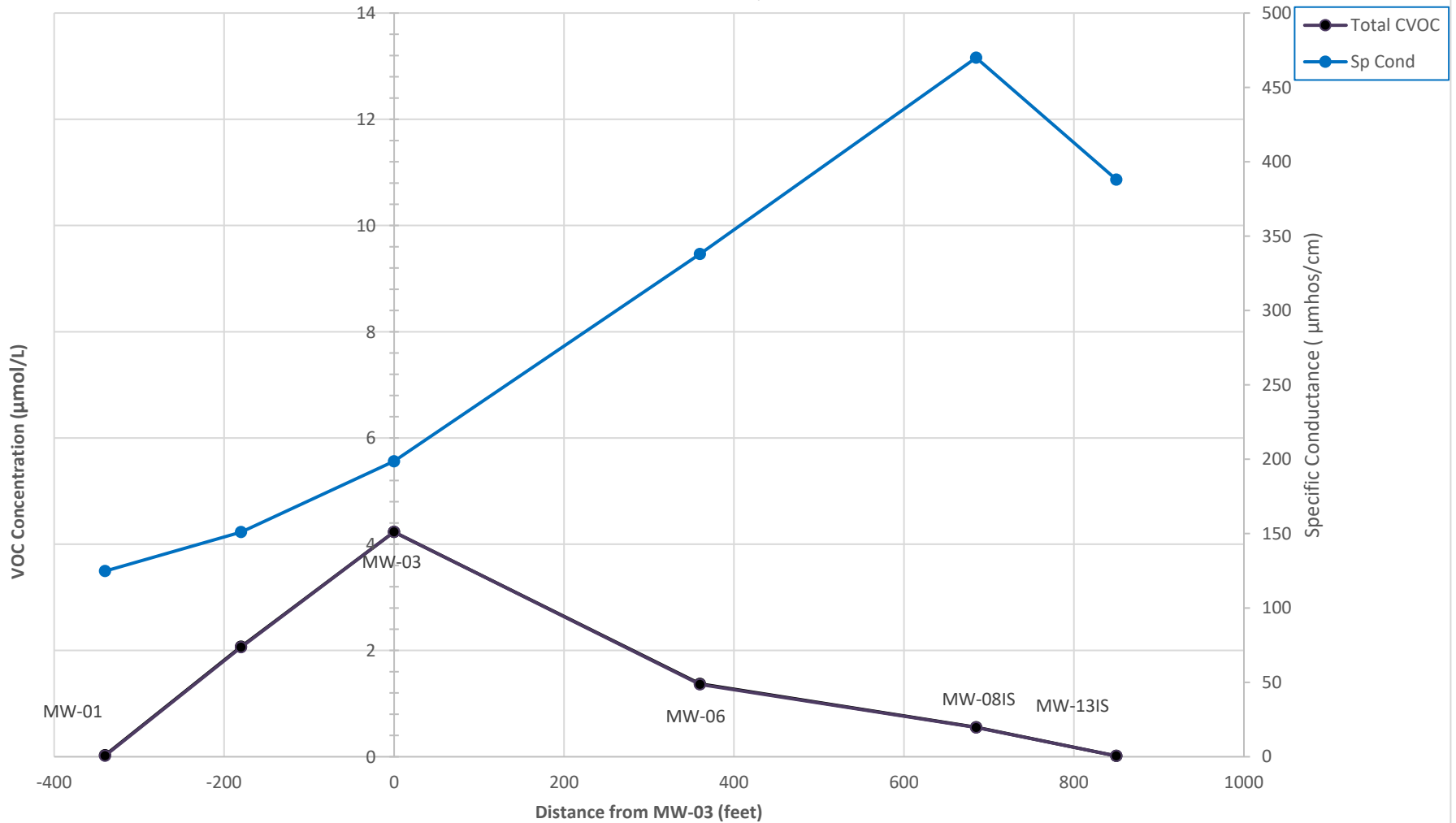
**Figure 12**  
**VOC and Manganese Concentrations vs. Distance**  
**Event #15 (September 2021)**  
**Aramark - Sikeston, Missouri**



**Notes:**

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

**Figure 13**  
**VOC Concentration and Specific Conductance vs. Distance**  
**Event #15 (September 2021)**  
**Aramark - Sikeston, Missouri**



**Notes:**

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

MW-09

## **Appendix A: Boring Logs and Well Construction Forms**



# WELL CONSTRUCTION LOG

WELL NO. MW-03ID

Page 1 of 3

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/5/2021</b>	Date Drilling Completed: <b>6/6/2021</b>	Project Number: <b>255908.0000 ph.9</b>	
Drilling Firm: <b>Cascade Drilling</b>	Drilling Method: <b>Rotosonic</b>	Surface Elev. (ft) <b>326.2</b>	TOC Elevation (ft) <b>326.07</b>	Total Depth (ft bgs) <b>105.0</b>	Borehole Dia. (in) <b>6</b>
Boring Location: <b>[REDACTED]</b>		Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)		Drilling Equipment: <b>Geoprobe 8140 LC</b>	
Civil Town/City/or Village: <b>Sikeston</b>	County: <b>Scott</b>	State: <b>MO</b>	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time Depth (ft, bgs) Depth (ft, bgs)		

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100			<b>TOPSOIL</b> , grass. <b>SANDY SILT (ML)</b> , little to some fine sand, cohesive, non-plastic, 10YR 4/2 dark grayish brown.	ML			NM	
			5	Same as above, 10YR 5/2 grayish brown.	ML				
2 CS	67		10	<b>SILTY SAND (SM)</b> , fine sand, some fines, fines decrease with depth, 10YR 5/2 grayish brown.	SM			1.0	
			15	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, trace fines, 10YR 5/3 brown.				ND	
3 CS	20		20	Poor recovery. Recovered material is same as above, some coarse sand and occasional gravel at top of interval.				0.7	
4 CS	50		25	Same as above, occasional zones of medium to coarse sand with 10YR 4/3 staining (2" to 6" thick).	SP			0.7	

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

Signature: 	Firm: TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717	Phone 608.826.3600 Fax 608.826.3941
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## WELL CONSTRUCTION LOG

WELL NO. MW-03ID

Page 2 of 3

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
				Thin zone (2" to 3") with fine to coarse sand size lignite coal fragments (little coal).					
				<b>POORLY GRADED SAND (SP)</b> , very fine sand, uniform, 10YR 4/1 dark gray.				3.1	
5 Cs	0		35	No recovery. Small amount of coarse sand with fine gravel (rounded) in flapper bit.	SP				
			40						
			45	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, trace fines, 10YR 5/1 gray.					Little lignite coal up to medium gravel size trapped in water at top of interval (origin depth unknown).
6 Cs	60		50	<b>WELL GRADED SAND (SW)</b> , mostly medium to coarse sand, few fine to medium gravel, 10YR 5/1 gray.	SW			2.0	
			55	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, trace fines, 10YR 5/1 gray.					
7 Cs	0		60	No recovery.	SP				
			65	<b>POORLY GRADED SAND (SP)</b> , fine sand, 10YR 5/1 gray.				1.3	1/3 of recovery is fine sand, rest is medium sand, driller notes that fine sand is not very thick (1 to 2 feet) based on drilling resistance.
8 Cs	50			Same as above, fine to medium sand, trace fines, 10YR 5/1 gray.					

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21



## WELL CONSTRUCTION LOG

WELL NO. MW-03ID

Page 3 of 3

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
			70					1.6	
			75	No recovery.	SP				
9 Cs	0		80						
			85	<b>POORLY GRADED SAND (SP)</b> , very fine sand, uniform, 10YR 5/1 gray. No recovery, except for trace of material in bit (flapper bit stuck open) - very fine sand. Contact with fine sand inferred from drillers notes.	SP			0.6	Driller notes change in drilling at 84 feet, likely very fine sand. Very fine sand present in bit.
10 Cs	0		90						
			95	<b>POORLY GRADED SAND (SP)</b> , fine sand, 10YR 5/1 gray.					Driller notes change in drilling at 93.5 feet, suggests out of very fine sand.
11 Cs	50		100		SP			1.4	
			105	End of boring at 105 feet.					





## WELL CONSTRUCTION LOG

WELL NO. MW-03IS

Page 1 of 1

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/6/2021</b>		Date Drilling Completed: <b>6/6/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>326.3</b>		TOC Elevation (ft) <b>326.16</b>		Total Depth (ft bgs) <b>84.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
			10						
			20						
			30						
			40						
1 CS	2		50	No recovery. Material stuck in bit is <b>WELL GRADED SAND (SW)</b> , fine to coarse sand, mostly medium to coarse sand, few fine gravel including lignite coal.				3.9	
2 CS	0		60	No recovery.	SW				
3 CS	50		70	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, trace fines, occasional coarse sand, few fragments of lignite coal (medium sand size) at top of core (floating on drilling water), 10YR 5/1 gray.				0.7	
4 CS	1		80	No recovery except material stuck in bit hinge, which is SP, as above.	SP			ND	
				<b>End of boring at 84 feet.</b>					

Signature:

Firm: TRC Environmental Corp.

708 Heartland Trail, Suite 3000 Madison, WI 53717

Phone 608.826.3600

Fax 608.826.3941

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21



# WELL CONSTRUCTION LOG

WELL NO. MW-06IS

Page 1 of 1

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/10/2021</b>		Date Drilling Completed: <b>6/11/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>327.6</b>		TOC Elevation (ft) <b>327.37</b>		Total Depth (ft bgs) <b>80.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Adam Marshall (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
			10	Blind drilled to 80 feet to install MW-06IS. See boring log for MW-06A for detailed soil descriptions.				
			20					
			30					
			40					
			50					
			60					
			70					
			80					
				End of boring at 80 feet.				

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

Signature:	Firm: TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717	Phone 608.826.3600 Fax 608.826.3941
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# WELL CONSTRUCTION LOG

WELL NO. MW-08ID

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Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/3/2021</b>	Date Drilling Completed: <b>6/4/2021</b>	Project Number: <b>255908.0000 ph.9</b>	
Drilling Firm: <b>Cascade Drilling</b>	Drilling Method: <b>Rotosonic</b>	Surface Elev. (ft) <b>324.5</b>	TOC Elevation (ft) <b>324.19</b>	Total Depth (ft bgs) <b>105.0</b>	Borehole Dia. (in) <b>6</b>
Boring Location: <b>[REDACTED]</b>		Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)		Drilling Equipment: <b>Geoprobe 8140 LC</b>	
Civil Town/City/or Village: <b>Sikeston</b>	County: <b>Scott</b>	State: <b>MO</b>	Water Level Observations: While Drilling:      Date/Time After Drilling:      Date/Time  Depth (ft, bgs) Depth (ft, bgs)		

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100			<b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, 10YR 4/3 brown.				NM	
			5	Same as above, occasional fine gravel (rounded), 10YR 5/2 grayish brown.				0.5	
2 CS	60								
			10	Same as above.				ND	
3 CS	60								
			15	Same as above.	SP			ND	
4 CS	60			<b>POORLY GRADED SAND (SP)</b> , medium sand, few fine gravel, 10YR 5/2 grayish brown.				ND	
			20	Same as above (medium sand, occasional fine gravel).					
5 CS	40							ND	
			25	Same as above.					
6								0.5	

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

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## WELL CONSTRUCTION LOG

WELL NO. MW-08ID

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
CS	60				SP				
			35	<b>LIGNITE COAL</b> , fragments range from fines (silt size) to medium gravel size, larger fragments are rounded on the edges, very few if any silicate mineral grains, 10YR 2/1 black.				ND	
								0.5	
7 CS	30		40	<b>POORLY GRADED SAND (SP)</b> , fine sand, few fines, coal fines likely present, 10YR 3/1 very dark gray.	SP				Very poor recovery. Driller notes change in drilling at 41 feet, possible transition from coal and coal bearing fine sand into less dense sand, resulting in poor recovery of material below. Switch to flapper bit.
				<b>WELL GRADED SAND (SW)</b> , mostly medium to coarse sand, trace fines, few fine sand, 10YR 5/3 brown.					
			45	Same as above.	SW				
8 CS	70		50	<b>POORLY GRADED SAND (SP)</b> , fine sand, occasional fine gravel, 10YR 5/3 brown.				ND	
				<b>POORLY GRADED SAND (SP)</b> , medium sand, occasional fine gravel, 10YR 5/3 brown.					
			55	No recovery, flapper bit stuck open with piece of gravel.					
9 CS	0		60		SP				No recovery, contact unknown.
			65	<b>POORLY GRADED SAND (SP)</b> , fine sand, 1 foot fine sand recovered at top of interval. <b>POORLY GRADED SAND (SP)</b> , medium sand, 10YR 5/2 grayish brown.				0.6	

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21



## WELL CONSTRUCTION LOG

WELL NO. MW-08ID

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
10 CS	80		70	<b>WELL GRADED SAND (SW)</b> , mostly medium to coarse sand, few fine to medium gravel, 10YR 5/2 grayish brown.	SW				
				<b>POORLY GRADED SAND (SP)</b> , very fine sand, 10YR 5/2 grayish brown, uniform.				0.3	
			75	Same as above (very fine sand), very uniform, 10YR 5/1 gray.					
11 CS	80		80		SP			0.6	
			85	Same as above.					
12 CS	70		90					0.3	
				<b>POORLY GRADED SAND (SP)</b> , medium sand, trace fines, 10YR 5/1 gray, coarser with occasional medium gravel in upper foot of recovered material, then more uniform medium sand.				ND	
			95	No recovery, flapper bit stuck open.	SP				
13 CS	0		100						
			105	<b>End of boring at 105 feet.</b>					

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

Driller notes change of drilling at 77 feet, suggesting out of fine sand; however recovered material is all very fine sand.



# WELL CONSTRUCTION LOG

WELL NO. MW-08IS

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Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/4/2021</b>		Date Drilling Completed: <b>6/4/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>324.4</b>		TOC Elevation (ft) <b>324.07</b>		Total Depth (ft bgs) <b>72.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling:    Date/Time After Drilling:    Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
			10	Blind drilled to 72 feet for well installation. See logs for wells MW-08A and MW-08ID for detailed soil descriptions.				
			20					
			30					
			40					
			50					
			60					
			70					
			72	End of boring at 72 feet.				
			80					

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SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21



## WELL CONSTRUCTION LOG

REVISED 06/2021

WELL NO. MW-13ID

Page 1 of 2

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>12/6/2019</b>	Date Drilling Completed: <b>12/6/2019</b>	Project Number: <b>255308.0000 ph.8</b>	
Drilling Firm: <b>Cascade Drilling</b>	Drilling Method: <b>Rotosonic</b>	Surface Elev. (ft) <b>324.7</b>	TOC Elevation (ft) <b>324.33</b>	Total Depth (ft bgs) <b>110.0</b>	Borehole Dia. (in) <b>6</b>
Boring Location: <b>[REDACTED]</b>		Personnel Logged By - M. Westover Driller - Jimbo Chambers (crew chief)		Drilling Equipment: <b>Rotosonic</b>	
Civil Town/City/or Village: <b>Sikeston</b>	County: <b>Scott</b>	State: <b>MO</b>	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time		
			Depth (ft, bgs) Depth (ft, bgs)		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
1 CS	60		5	<b>SANDY SILT (ML)</b> , few to little fine sand, cohesive, non-plastic, 10YR 4/3 brown, moist.	ML			0.0	
2 CS	60		10	<b>POORLY GRADED SAND (SP)</b> , trace to few fines, very fine sand, non-cohesive, 10YR 4/3 brown, moist. Same as above, trace fines, 10YR 5/3 brown.				0.0	
3 CS	60		15	Same as above, more medium sand in some zones (alternating intervals of fine and medium sand, occasional coarse sand).	SP			0.0	
4 CS	50		25	Same as above, becoming wet.				0.0	
5 CS	90		30	At 30 feet, 1 foot interval of fine sand with occasional silty zones, orange sand with abundant black lignite coal.				0.0	
			35	<b>WELL GRADED SAND (SW)</b> , fine to coarse sand, mostly medium sand, occasional fine gravel, trace fines, 10YR 4/3 brown. Same as above, occasional large gravel (rounded), 10YR 5/3 brown.	SW			0.0	
6			45	<b>POORLY GRADED SAND (SP)</b> , mostly coarse sand, occasional fine gravel (rounded), 10YR 5/3 brown. Same as above.	SP				

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255308.0000 ph.8 7/22/21

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## WELL CONSTRUCTION LOG

WELL NO. MW-13ID

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
CS	70				SP			0.0	
				<b>WELL GRADED SAND (SW)</b> , as at 31 feet.					
			55	Same as above.					Flapper bit stuck open, poor recovery.
7 CS	40		60		SW			0.0	
			65	Same as above, occasional pieces of lignite coal, occasional zones of mostly coarse sand.					
8 CS	80		70	<b>POORLY GRADED SAND (SP)</b> , fine sand, 10YR 5/3 brown.				0.0	
			75	Same as above.	SP				
9 CS	50		80					0.0	
			85	<b>POORLY GRADED SAND (SP)</b> , mostly coarse sand and fine gravel (rounded), 10YR 5/3 brown.					
				Same as above.	SP				
10 CS	90		90					0.0	
			95	<b>POORLY GRADED SAND (SP)</b> , fine sand, 10YR 5/3 brown.	SP				
11 CS	40		100	<b>WELL GRADED SAND (SW)</b> , fine to coarse sand, mostly coarse sand, trace fine gravel, trace fines, 10YR 5/3 brown.	SW			0.0	
			105	<b>POORLY GRADED SAND (SP)</b> , mostly medium sand, occasional coarse sand and fine gravel, 10YR 5/3 brown.	SP			0.0	
12 CS	40		110	<b>End of boring at 110 feet.</b>					
			115						

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SKESTONMO.GPJ 255308.0000 ph.8 7/22/21



**WELL CONSTRUCTION LOG****REVISED 06/2021****WELL NO. MW-13IS**

Page 1 of 1

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>12/6/2019</b>	Date Drilling Completed: <b>12/6/2019</b>	Project Number: <b>255308.0000 ph.8</b>	
Drilling Firm: <b>Cascade Drilling</b>	Drilling Method: <b>Rotosonic</b>	Surface Elev. (ft) <b>324.6</b>	TOC Elevation (ft) <b>324.25</b>	Total Depth (ft bgs) <b>70.0</b>	Borehole Dia. (in) <b>6</b>
Boring Location: <b>[REDACTED]</b>		Personnel Logged By - M. Westover Driller - Jimbo Chambers (crew chief)		Drilling Equipment: <b>Rotosonic</b>	
Civil Town/City/or Village: <b>Sikeston</b>	County: <b>Scott</b>	State: <b>MO</b>	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time Depth (ft, bgs) Depth (ft, bgs)		

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
				Blind drilled to 70 feet to install well MW-13IS.				
			10					
			20					
			30					
			40					
			50					
			60					
			70	End of boring at 70 feet.				

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# WELL CONSTRUCTION LOG

WELL NO. MW-16

Page 1 of 2

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/2/2021</b>		Date Drilling Completed: <b>6/2/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>325.4</b>		TOC Elevation (ft) <b>325.20</b>		Total Depth (ft bgs) <b>50.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100			<b>SILTY GRAVEL (GM)</b> , fine to medium gravel, little to some fines, 10YR 5/2 grayish brown. (Fill - driveway) <b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, 10YR 4/3 brown.				ND	
2 CS	15		5	Very poor recovery, mostly a layer of silty gravel, likely from gravel driveway fill, above (transition from hand auger to sonic). Rest of material is poorly graded fine sand, as above.				ND	
3 CS	50		15	<b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, 10YR 4/3 brown.	SP			ND	
4 CS	100		25	<b>POORLY GRADED SAND (SP)</b> , medium sand, trace to few medium gravel, especially at top, 10YR 5/3 brown.  Same as above, medium sand, trace to few fine gravel, 10YR 4/1 dark gray.  Same as above, but with high concentration of lignite coal fragments up to medium gravel size, little fines, 10YR 3/1 very dark gray from 26.5 to 28 feet.				ND	

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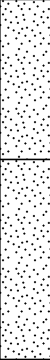




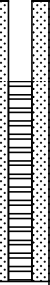
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## WELL CONSTRUCTION LOG

WELL NO. MW-16

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
5 CS	50		35	<p><b>POORLY GRADED SAND (SP)</b>, as at 24 feet, occasional fine gravel size lignite coal fragments (rounded on edges), 10YR 5/1 gray.</p> <p><b>POORLY GRADED SAND (SP)</b>, as above, medium to coarse sand, occasional lignite coal fragments, rounded on edges.</p> <p>Approximately 1 foot thick 10YR 3/1 very dark gray zone as at 26.5 feet, medium gravel size lignite fragments and little fines (dark), depth approximate.</p> <p><b>WELL GRADED SAND (SW)</b>, mostly medium to coarse sand, few fine to medium gravel (rounded), 10YR 4/1 dark gray.</p>	SP       SW			ND	
6 CS	80		40	<p><b>POORLY GRADED SAND (SP)</b>, medium sand, occasional fine gravel (rounded), 10YR 4/2 dark grayish brown.</p>				ND	
			45	<p><b>POORLY GRADED SAND (SP)</b>, fine sand, 10YR 4/1 dark gray, with zones of 10YR 3/1 very dark gray with fine lignite coal, (~1 foot thick bands, 2 bands in last 6 foot of recovery, one at base of recovered material, 48 to 49 feet).</p>	SP			ND	
			50	End of boring at 50 feet.					
			55						
			60						
			65						



## WELL CONSTRUCTION LOG

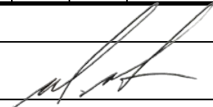
WELL NO. MW-17

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Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/4/2021</b>		Date Drilling Completed: <b>6/5/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>325.6</b>		TOC Elevation (ft) <b>325.29</b>		Total Depth (ft bgs) <b>50.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100			<b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, 10YR 4/3 brown.				NM	
			5	Same as above.					
2 CS	67		10					ND	
			15	Trace fine gravel (rounded) at base of interval. Same as above, no apparent gravel.	SP				
3 CS	30		20					ND	
			25	Same as above, 10YR 5/3 brown.					
4 CS	20							ND	

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21



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## WELL CONSTRUCTION LOG

WELL NO. MW-17

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
5 Cs	7		35	(Very poor recovery) Recovered material is <b>WELL GRADED SAND (SW)</b> , fine to coarse sand, mostly fine to medium sand, 10YR 5/3 brown, medium gravel sized fragments of lignite coal and one piece of medium gravel (rounded) stuck in bit.	SP			ND	
			40						
			45						
			50	End of boring at 50 feet.					
			55						
			60						
			65						



# WELL CONSTRUCTION LOG

WELL NO. MW-18ID

Page 1 of 3

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/9/2021</b>	Date Drilling Completed: <b>6/10/2021</b>	Project Number: <b>255908.0000 ph.9</b>	
Drilling Firm: <b>Cascade Drilling</b>	Drilling Method: <b>Rotosonic</b>	Surface Elev. (ft) <b>325.2</b>	TOC Elevation (ft) <b>324.80</b>	Total Depth (ft bgs) <b>105.0</b>	Borehole Dia. (in) <b>6</b>
Boring Location: <b>[REDACTED]</b>		Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)		Drilling Equipment: <b>Geoprobe 8140 LC</b>	
Civil Town/City/or Village: <b>Sikeston</b>	County: <b>Scott</b>	State: <b>MO</b>	Water Level Observations: While Drilling:      Date/Time After Drilling:      Date/Time Depth (ft, bgs) Depth (ft, bgs)		

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100			<b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, 10YR 4/3 brown.				NM	
			5	Same as above.	SP			0.5	
2 CS	56		10	6" sandy silt in the middle of the interval. Poorly graded sand (SP) as above, but medium sand.				0.5	
			15	<b>SILTY SAND (SM)</b> , fine sand, few to little fines, non-cohesive, 10YR 4/2 dark grayish brown.	SM			1.0	
3 CS	50		20	<b>POORLY GRADED SAND (SP)</b> , as above, becoming medium sand, trace fines, 10YR 4/3 brown.				0.5	
			25	Same as above (medium sand), but 10YR 5/3 brown (very poor recovery).	SP			1.2	
4 CS	20								

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

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## WELL CONSTRUCTION LOG

WELL NO. MW-18ID

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
				Last 6" of recovered material contains lignite coal fragments ranging from fines to fine gravel size, 10YR 4/1 dark gray.	SP				
5 Cs	30		35	<b>WELL GRADED SAND (SP)</b> , fine to coarse sand, mostly medium and coarse sand, few fine gravel, trace to few lignite coal fragments throughout, one band with more coal, 10YR 5/3 brown, coal is 10YR 2/1 black.				0.4	
			40		SW				
			45	Same as above.					
6 Cs	60		50	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, trace fines, 10YR 4/1 dark gray.				0.6	
			55	4" band in middle of SP with high lignite coal content (10YR 2/1 black).					
7 Cs	60		60	<b>POORLY GRADED SAND (SP)</b> , as above, medium sand, trace fine gravel, 10YR 5/2 grayish brown.	SP			0.7	
			65	2" band with high concentration of lignite coal above SW.					
				<b>WELL GRADED SAND (SW)</b> , fine to coarse sand, mostly coarse sand, trace to few fine gravel, trace fine gravel-sized lignite coal fragments.	SW			2.0	
8 Cs	70			<b>POORLY GRADED SAND (SP)</b> , medium sand, trace fines, 10YR 5/2 grayish brown.	SP			0.6	

SOIL BORING WELL CONSTRUCTION LOG ARAMARK SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21



## WELL CONSTRUCTION LOG

WELL NO. MW-18ID

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SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
9 CS	70		70	Same as above, 2" to 3" zones of SP with high lignite coal fines and sand-sized particles, 10YR 4/1 dark gray.	SP			0.7	
			75	One large gravel-sized piece of hardened grout in SP (likely grout from supply well CW-08). <b>WELL GRADED SAND (SW)</b> , as at 61 feet, up to medium gravel size lignite coal (rounded). Same as above, no large coal fragments, no significant coal, few fine gravel.	SW			0.8	
10 CS	100		80	<b>POORLY GRADED SAND (SP)</b> , very fine sand, trace fines, uniform, 10YR 5/2 grayish brown.	SP			0.8	
			85	Same as above.				1.3	
11 CS	50		90	<b>WELL GRADED SAND (SW)</b> , fine to medium sand, trace fines, mostly medium to coarse sand, few fine gravel, 10YR 5/2 grayish brown.	SW			1.9	
			95	<b>POORLY GRADED SAND (SP)</b> , medium to coarse sand, trace fine gravel (rounded), 10YR 5/2 grayish brown.	SP				
			100						
			105	End of boring at 105 feet.					





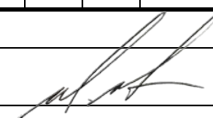
# WELL CONSTRUCTION LOG

WELL NO. MW-18IS

Page 1 of 1

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/10/2021</b>		Date Drilling Completed: <b>6/10/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>325.4</b>		TOC Elevation (ft) <b>325.31</b>		Total Depth (ft bgs) <b>80.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling:    Date/Time After Drilling:    Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
			10	Blind drilled to 80 feet to install well MW-18IS. See boring log MW-18ID for detailed soil descriptions.				
			20					
			30					
			40					
			50					
			60					
			70					
			80					
				End of boring at 80 feet.				

Signature: 	Firm: TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717	Phone 608.826.3600 Fax 608.826.3941
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SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21





# WELL CONSTRUCTION LOG

WELL NO. MW-20

Page 1 of 2

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/11/2021</b>		Date Drilling Completed: <b>6/11/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>326.3</b>		TOC Elevation (ft) <b>326.08</b>		Total Depth (ft bgs) <b>50.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100			<b>SANDY SILT (ML)</b> , little to some fine sand, sand content increases with depth, very fine sand, cohesive, non-plastic, 10YR 3/2 very dark grayish brown.				ND	
			5	Same as above.	ML				
2 CS	60		10	<b>SILTY SAND (SM)</b> , little to some fines (variable), fine sand, cohesive, non-plastic, 10YR 4/3 brown.				0.6	
			15	Same as above, fewer fines, more consistent (few to little), non-cohesive.	SM			0.8	
3 CS	50		20	<b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, thin layer (2" to 3") of coarse sand at top, 10YR 5/2 grayish brown.				0.3	
			25	Same as above.	SP			0.6	
4 CS	60			Same as above, but medium sand, occasional coarse sand and fine gravel.				0.7	

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

Signature:	Firm: TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717	Phone 608.826.3600 Fax 608.826.3941
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## WELL CONSTRUCTION LOG

WELL NO. MW-20

Page 2 of 2

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
				Color grading to 10YR 4/1 dark gray.	SP			0.7	Driller notes that 2 feet of recovery is from the 34 to 44 foot interval (dropped out of barrel).
				<b>SILTY SAND (SM)</b> , fine sand, little fines, lignite coal (mostly medium sand size and finer), 10YR 3/1 very dark gray, coal is 10YR 2/1 black.	SM				
5 CS	0		35	No recovery 34 to 44 foot interval, rounded fine gravel stuck in flapper bit.					
			40	<b>POORLY GRADED SAND (SP)</b> , medium sand, trace fines, 10YR 5/1 gray.	SP				
6 CS	120		45	<b>WELL GRADED SAND (SW)</b> , fine to coarse sand, mostly medium to coarse sand, few fine to medium gravel, including occasional lignite coal, 10YR 5/1 gray.	SW			1.5	
			50	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, 10YR 5/1 gray, 2" zone of high concentration of sand-sized and smaller lignite coal near base of sample (10YR 2/1 black). <b>End of boring at 50 feet.</b>	SP				
			55						
			60						
			65						



# WELL CONSTRUCTION LOG

WELL NO. MW-21

Page 1 of 1

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>6/12/2021</b>		Date Drilling Completed: <b>6/12/2021</b>		Project Number: <b>255908.0000 ph.9</b>					
Drilling Firm: <b>Cascade Drilling</b>		Drilling Method: <b>Rotosonic</b>		Surface Elev. (ft) <b>327.2</b>		TOC Elevation (ft) <b>326.97</b>		Total Depth (ft bgs) <b>40.0</b>		Borehole Dia. (in) <b>6</b>	
Boring Location: <b>[REDACTED]</b>				Personnel Logged By - M. Westover Driller - Mark Rodriguez (crew chief)				Drilling Equipment: <b>Geoprobe 8140 LC</b>			
Civil Town/City/or Village: <b>Sikeston</b>		County: <b>Scott</b>		State: <b>MO</b>		Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time				Depth (ft, bgs) Depth (ft, bgs)	

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
NUMBER AND TYPE	RECOVERY (%)								
1 HA	100		5	<b>SANDY SILT (ML)</b> , little to some fine sand, sand increasing with depth, fine and very fine sand, cohesive, slightly plastic, 10YR 3/2 very dark grayish brown.	ML			0.5	
				Same as above.				0.7	
2 CS	50		10	<b>POORLY GRADED SAND WITH SILT (SP-SM)</b> , very fine sand, few fines, 10YR 5/2 grayish brown.	SP-SM			0.5	
			15	<b>SILTY SAND (SM)</b> , fine sand, little to some fines, cohesive, non-plastic, 10YR 3/2 very dark grayish brown.	SM			3.5	
3 CS	56		20	<b>POORLY GRADED SAND (SP)</b> , fine sand, trace fines, 10YR 5/2 grayish brown.				1.8	
			25	Same as above.				2.2	
4 CS	50		30		SP			1.0	
			35	No recovery.					
5 CS	0		40	<b>End of boring at 40 feet.</b>					

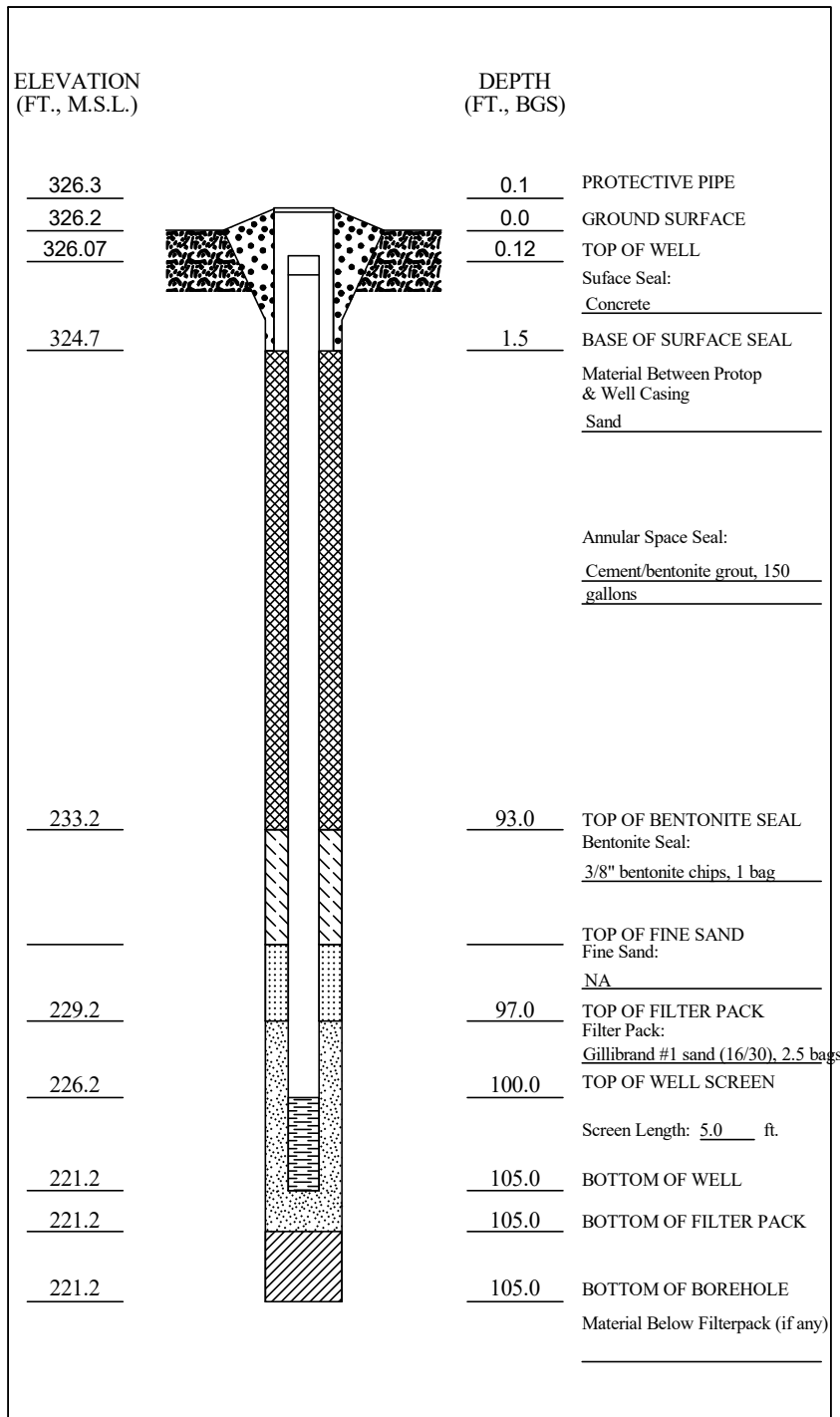
SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255908.0000 ph.9 7/22/21

Signature:	Firm: TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717	Phone 608.826.3600 Fax 608.826.3941
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## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-03ID	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/5/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: _____ ft. N, _____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 105 ft.  
 \_\_\_\_\_ From \_\_\_\_\_ ft. To \_\_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 55

Water: Removed: 150 Gallons  
 Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Clear

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 6/12/2021 9:00:00 AM

Depth to Water: 26.52 ft. Depth to Bottom: 105.35 ft.

After Development:

Measurement Date/Time: 6/12/2021 10:35:00 AM

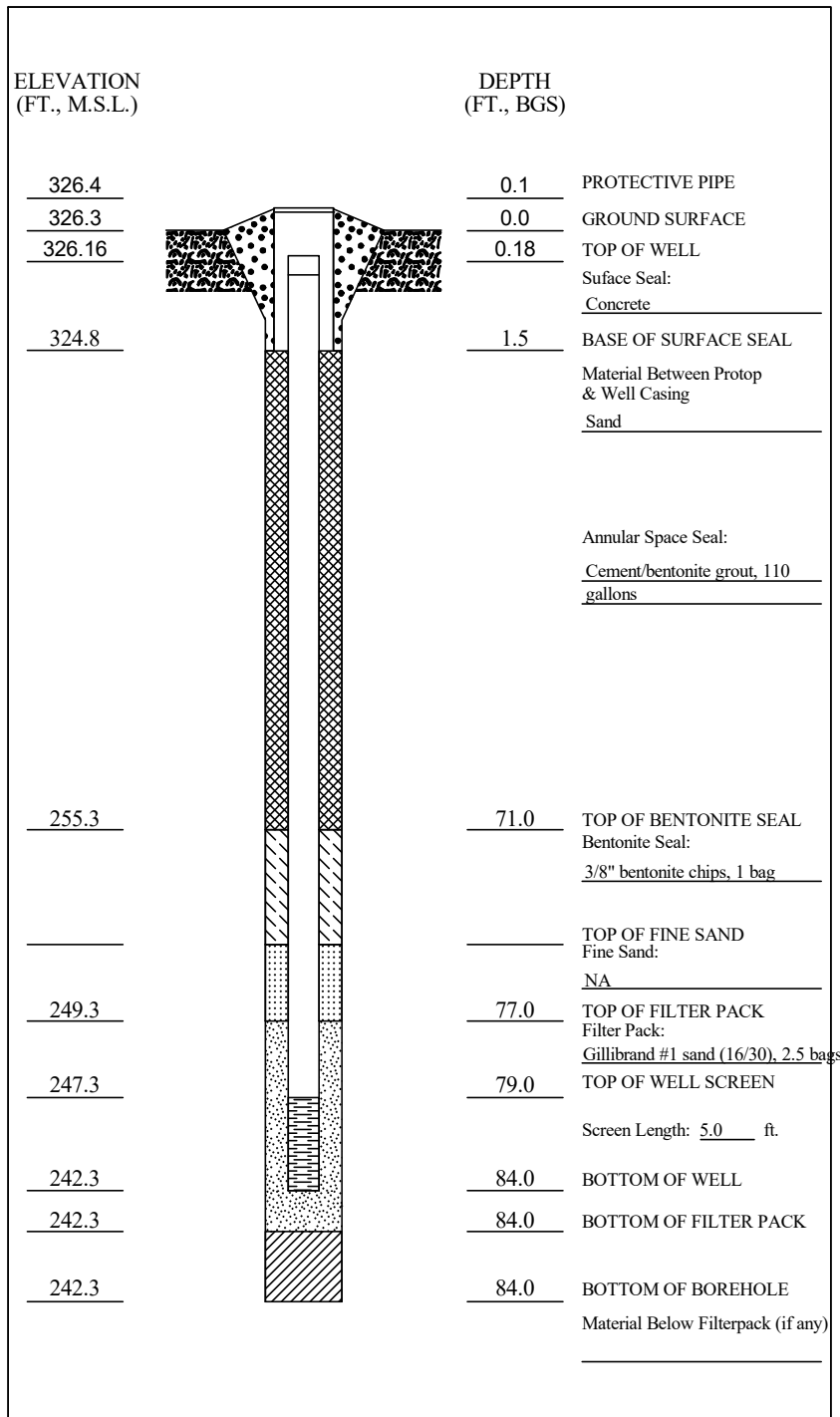
Depth to Water: 26.42 ft. Depth to Bottom: 105.35 ft.

Comments: Water level and DTB measurements collected prior to cutting casing down to fit cap & lock (not final reference elevation). See water sample logs for final DTB measurements.



## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-03IS	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/6/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ E ____ W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 84 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 40

Water: Removed: 100 Gallons

Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 6/12/2021 10:35:00 AM

Depth to Water: 26.33 ft. Depth to Bottom: 84.26 ft.

After Development:

Measurement Date/Time: \_\_\_\_\_

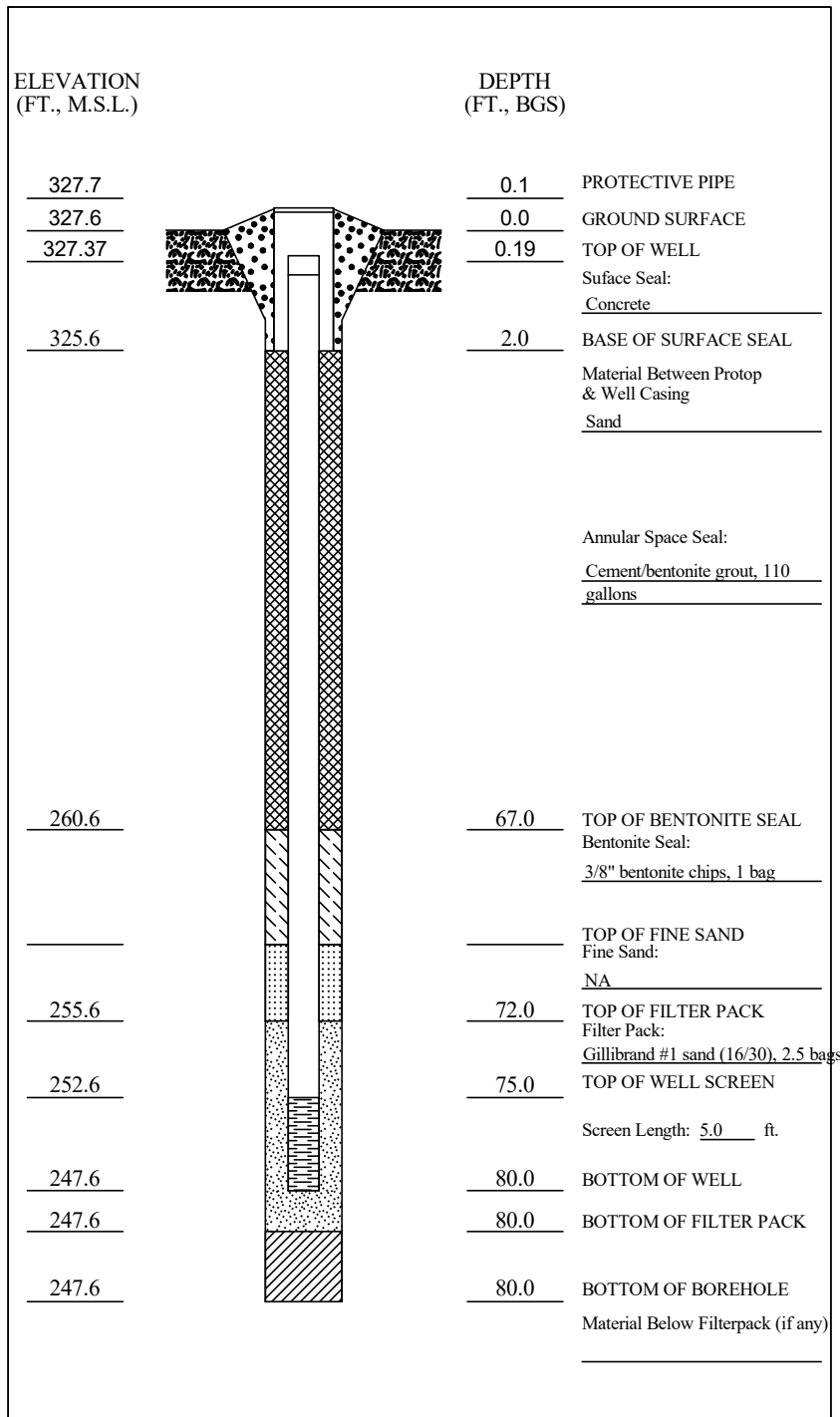
Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

Comments: Post development levels not collected. See water sample log for final DTB measurement.



## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-06IS	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/11/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: _____ ft. N, _____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 80 ft.

\_\_\_\_\_ From \_\_\_\_\_ ft. To \_\_\_\_\_ ft.

Comments: \_\_\_\_\_

\_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 60

Water: Removed: 100 Gallons

Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

After Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

Comments: See water sample log for water level and DTB measurements.

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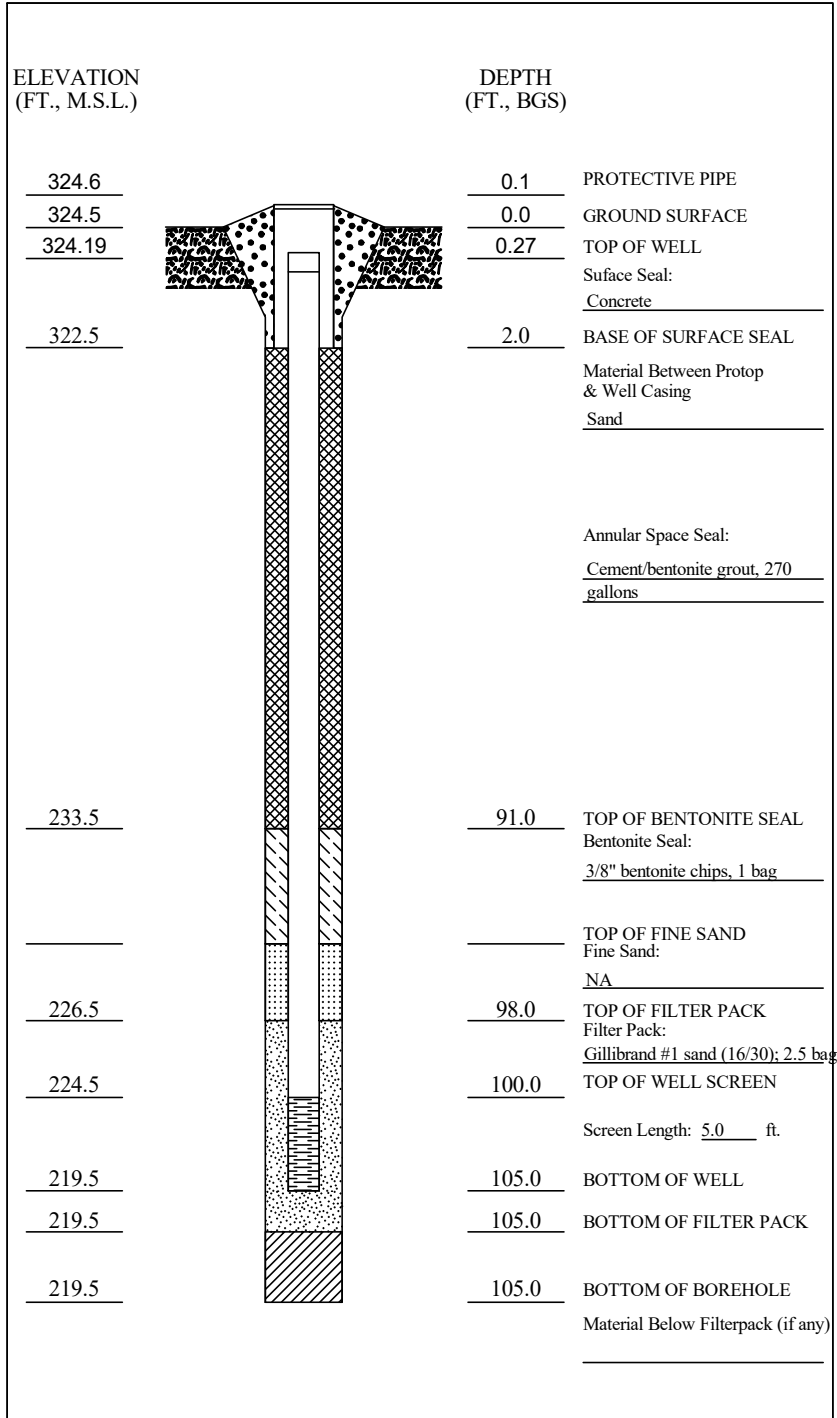
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## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-08ID	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/4/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 105 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 85

Water: Removed: 150 Gallons

Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, light brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 6/8/2021 8:00:00 AM

Depth to Water: 25.72 ft. Depth to Bottom: 104.97 ft.

After Development:

Measurement Date/Time: 6/8/2021 9:25:00 AM

Depth to Water: 25.20 ft. Depth to Bottom: 104.97 ft.

Comments: \_\_\_\_\_

\_\_\_\_\_

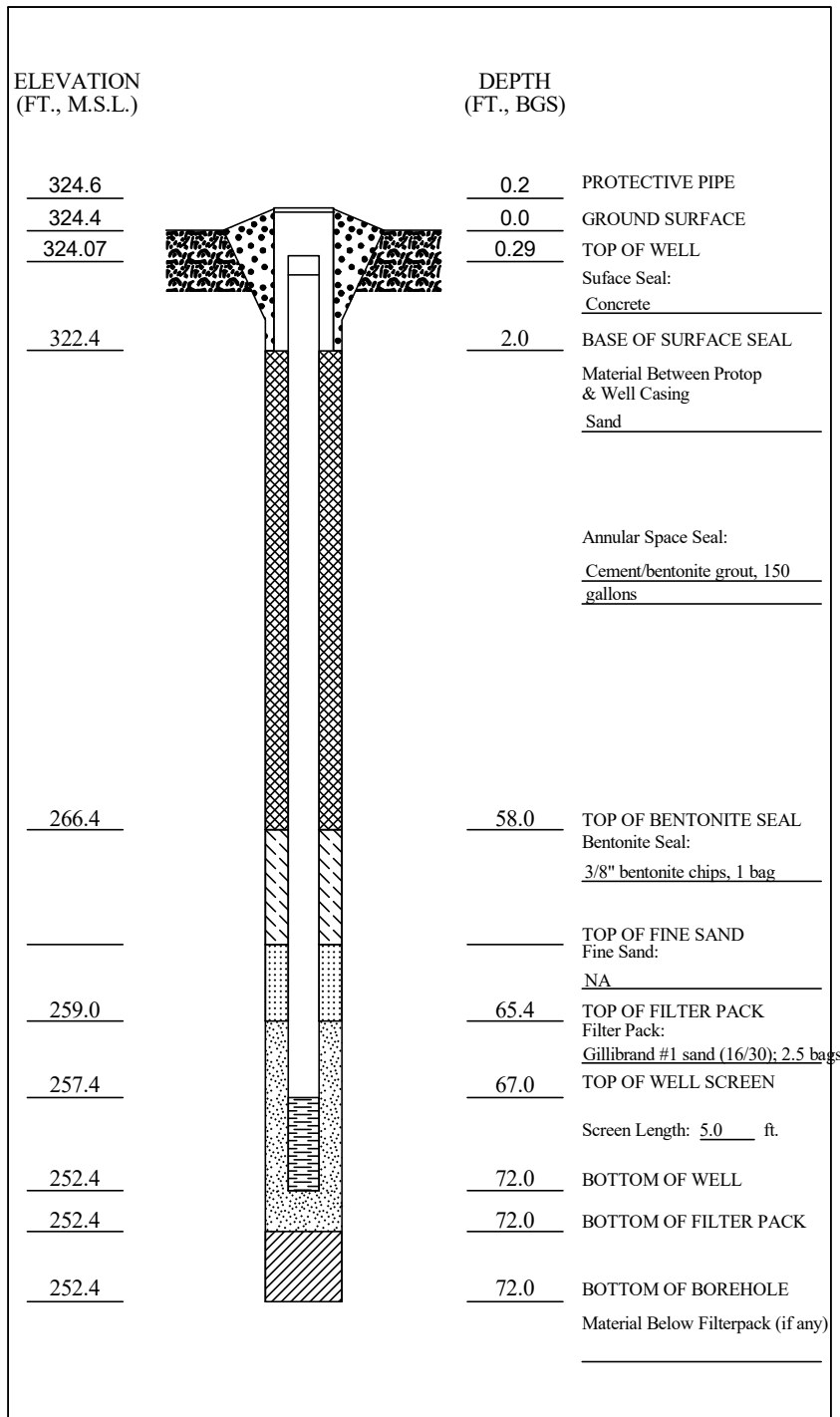
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## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-08IS	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/4/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ E ____ W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 72 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 50

Water: Removed: 100 Gallons

Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 6/8/2021 10:25:00 AM

Depth to Water: 25.15 ft. Depth to Bottom: 71.49 ft.

After Development:

Measurement Date/Time: 6/8/2021 10:25:00 AM

Depth to Water: 25.21 ft. Depth to Bottom: 71.87 ft.

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

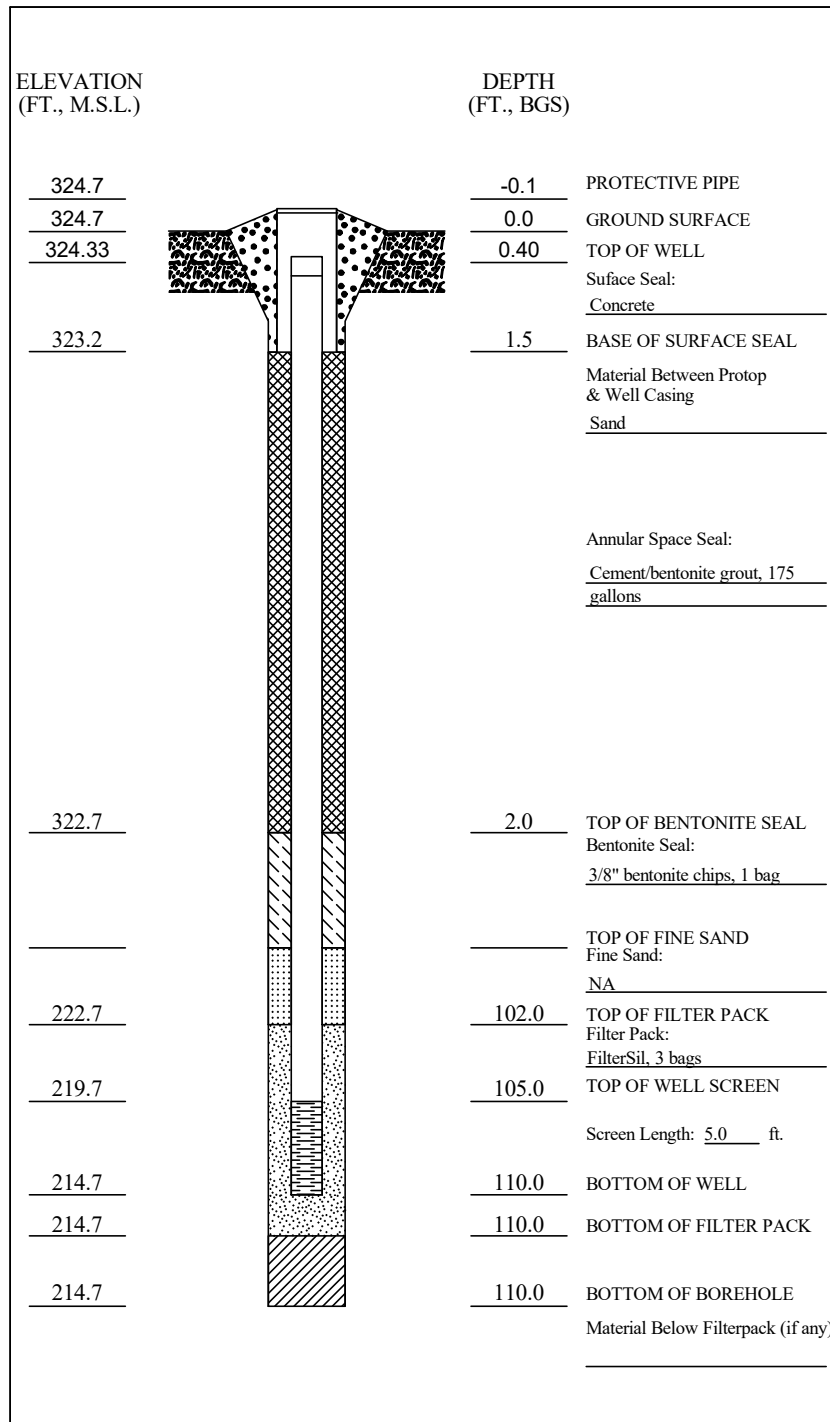
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# WELL CONSTRUCTION DIAGRAM

REVISED 06/2021

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-13ID	
PROJ. NO:	255308.0000 ph.8	DATE INSTALLED:	12/6/2019	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: _____ ft. N, _____ ft. E.			



## 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 110 ft.  
\_\_\_\_\_ From \_\_\_\_\_ ft. To \_\_\_\_\_ ft.

Comments: \_\_\_\_\_

## 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 115

Water: Removed: 150 Gallons  
Added: 0 Gallons

### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

### Water Level Information:

Before Development:

Measurement Date/Time: 12/7/2019 10:45:00 AM

Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

After Development:

Measurement Date/Time: 12/7/2019 4:00:00 PM

Depth to Water: 25.74 ft. Depth to Bottom: 110.34 ft.

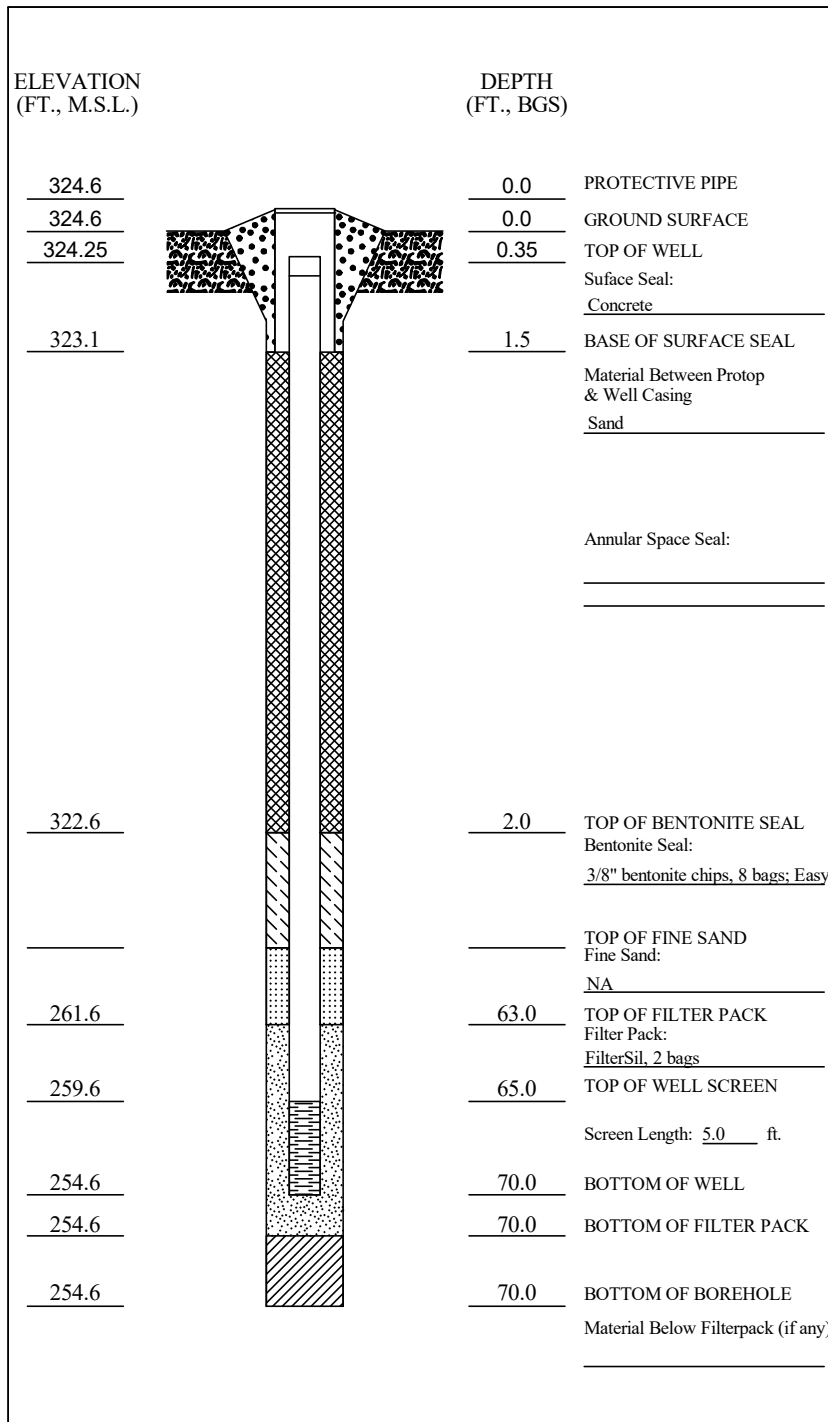
Comments: No pre-development readings taken as the well casings were not at final height. Post-development readings are from final casing elevations.



# WELL CONSTRUCTION DIAGRAM

REVISED 06/2021

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-131S	
PROJ. NO:	255308.0000 ph.8	DATE INSTALLED:	12/6/2019	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: _____ ft. N, _____ ft. E.			



## 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 40 PVC

Well Casing Diameter (in): 2.07 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 70 ft.  
\_\_\_\_\_ From \_\_\_\_\_ ft. To \_\_\_\_\_ ft.

Comments: \_\_\_\_\_  
\_\_\_\_\_

## 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 65

Water: Removed: 100 Gallons  
Added: 0 Gallons

### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

### Water Level Information:

Before Development:

Measurement Date/Time: 12/7/2019 8:55:00 AM

Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

After Development:

Measurement Date/Time: 12/7/2019 2:00:00 PM

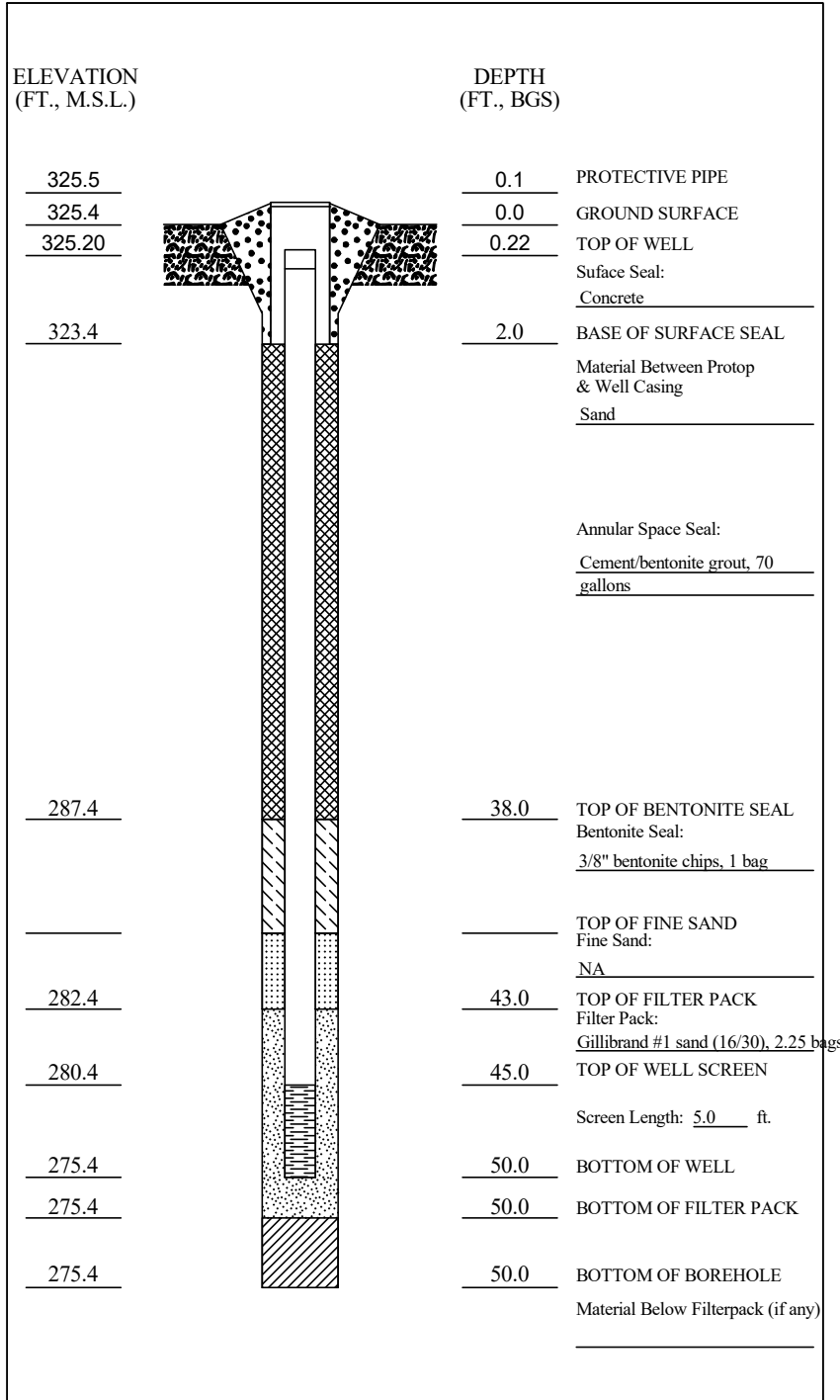
Depth to Water: 25.67 ft. Depth to Bottom: 69.24 ft.

Comments: No pre-development readings taken as the well casings were not at final height. Post-development readings are from final casing elevations.



## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-16	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/2/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 40 PVC

Well Casing Diameter (in): 2.07 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 50 ft.  
\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 45

Water: Removed: 70 Gallons  
Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, dark brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 6/8/2021 11:30:00 AM

Depth to Water: 26.13 ft. Depth to Bottom: 49.87 ft.

After Development:

Measurement Date/Time: 6/8/2021 12:30:00 PM

Depth to Water: 26.08 ft. Depth to Bottom: 49.88 ft.

Comments: \_\_\_\_\_

\_\_\_\_\_

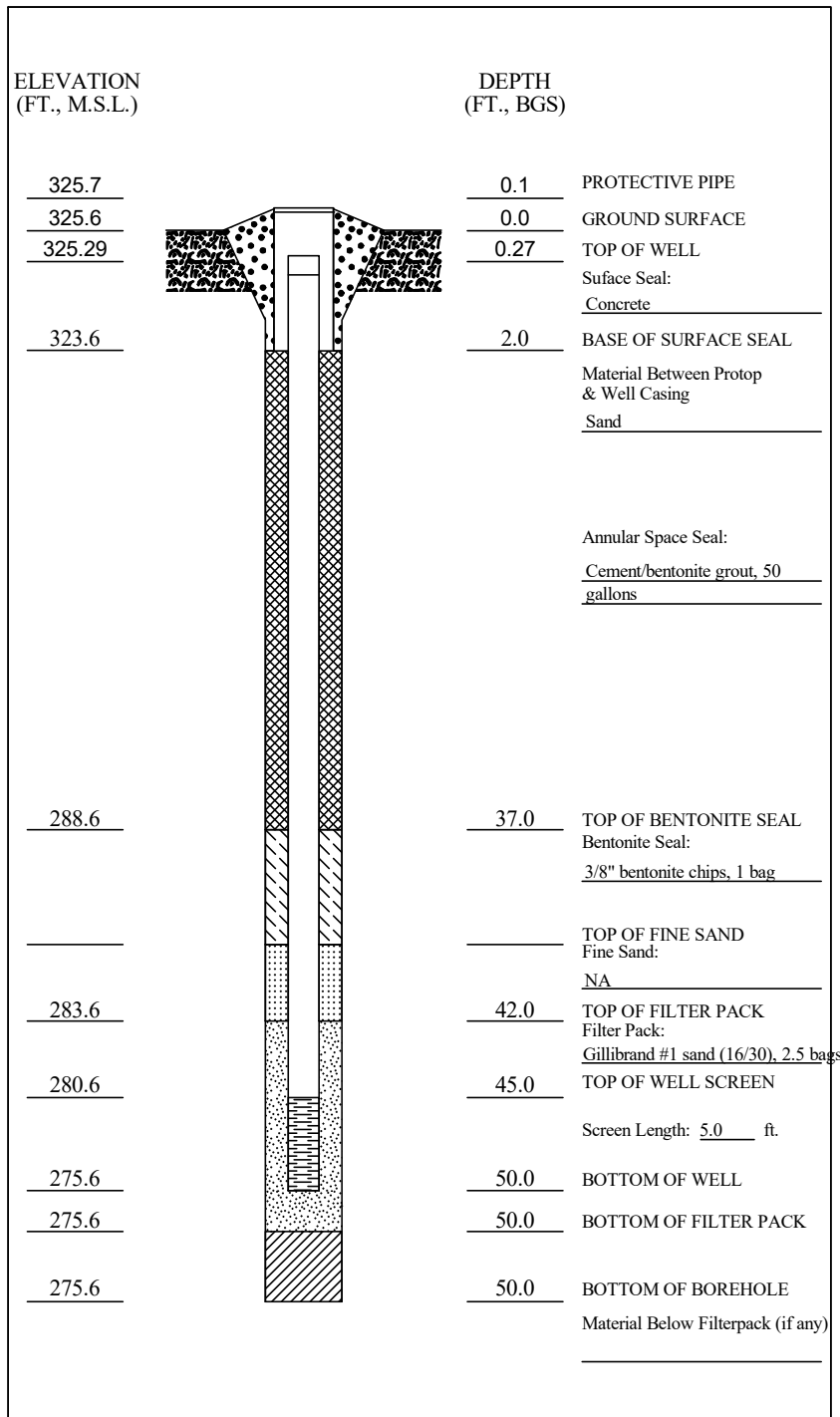
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## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-17	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/4/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ E ____ W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 40 PVC

Well Casing Diameter (in): 2.07 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 50 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 45

Water: Removed: 75 Gallons

Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, very dark grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 6/9/2021 1:45:00 PM

Depth to Water: 25.86 ft. Depth to Bottom: 49.85 ft.

After Development:

Measurement Date/Time: 6/9/2021 2:30:00 PM

Depth to Water: 25.89 ft. Depth to Bottom: 49.87 ft.

Comments: \_\_\_\_\_

\_\_\_\_\_

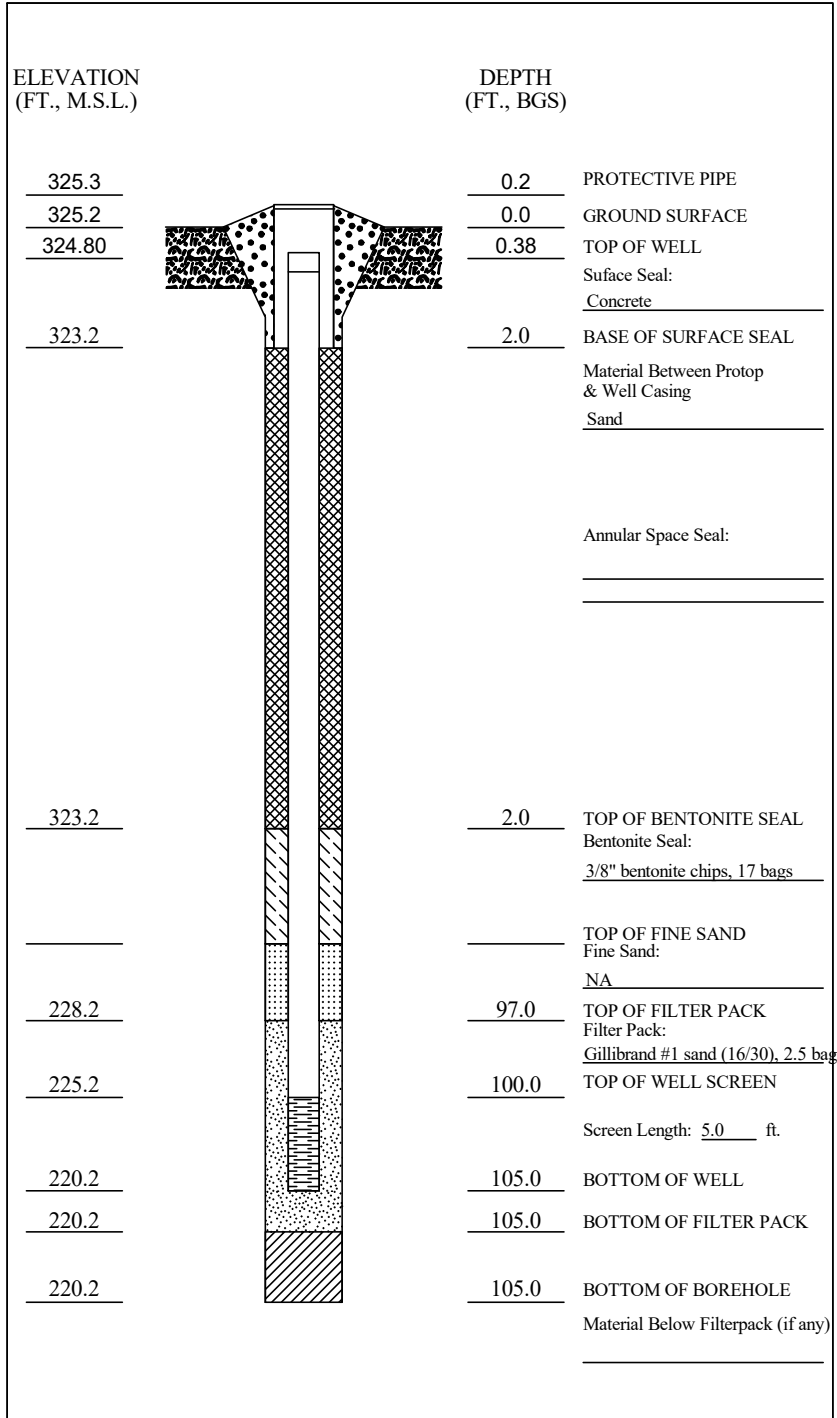
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## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-18ID	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/9/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 7 From 0 ft. To 47 ft.

6 From 47 ft. To 105 ft.

Comments: Overdrilled 6" casing to 47 feet with 7" casing to free the 6" casing.

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 60

Water: Removed:      Gallons

Added:      Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time:                     

Depth to Water:      ft. Depth to Bottom:      ft.

After Development:

Measurement Date/Time:                     

Depth to Water:      ft. Depth to Bottom:      ft.

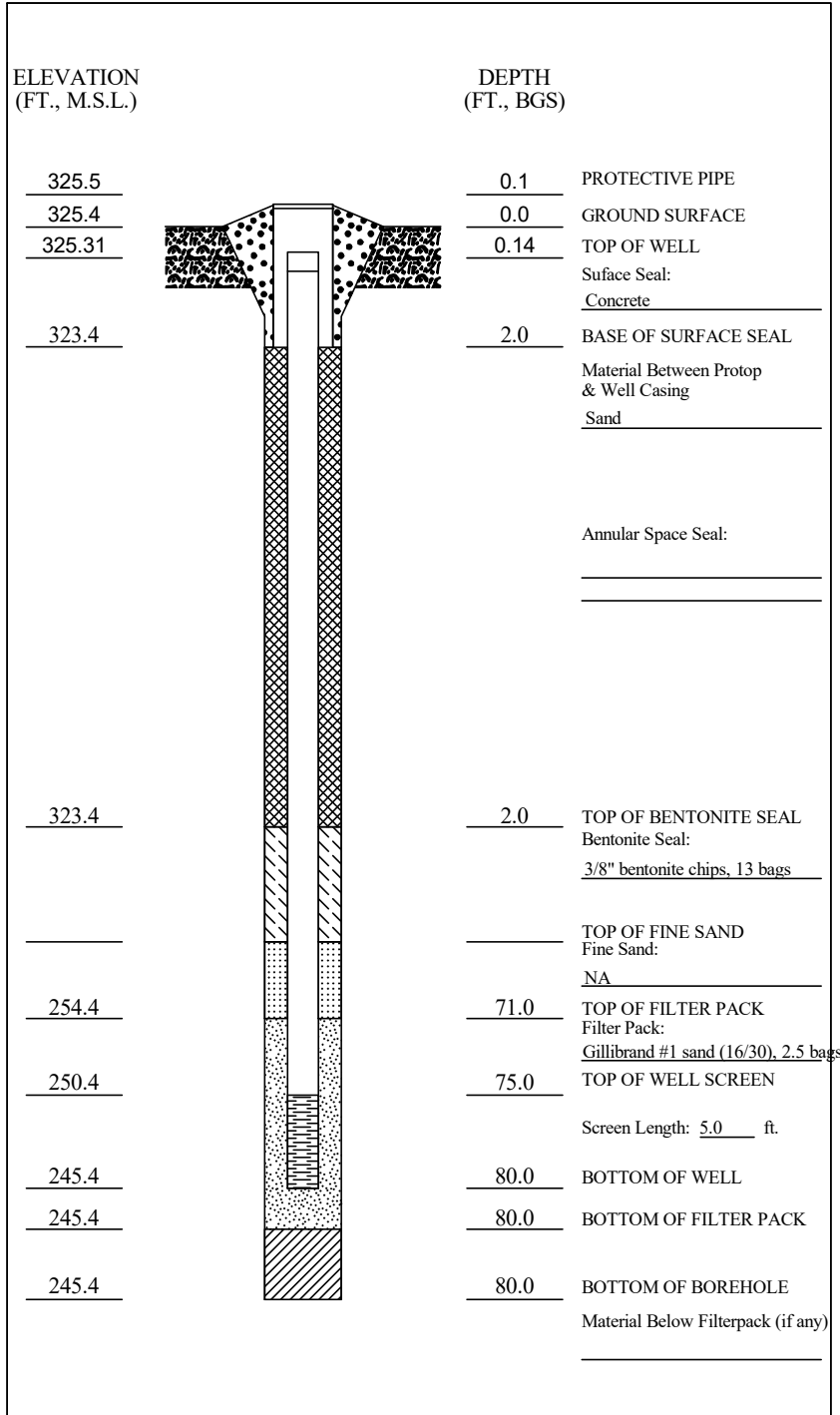
Comments: See water sample log for water level and DTB measurements.





## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-18IS	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/10/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 80 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 60

Water: Removed: \_\_\_\_ Gallons

Added: \_\_\_\_ Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_ ft. Depth to Bottom: \_\_\_\_ ft.

After Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_ ft. Depth to Bottom: \_\_\_\_ ft.

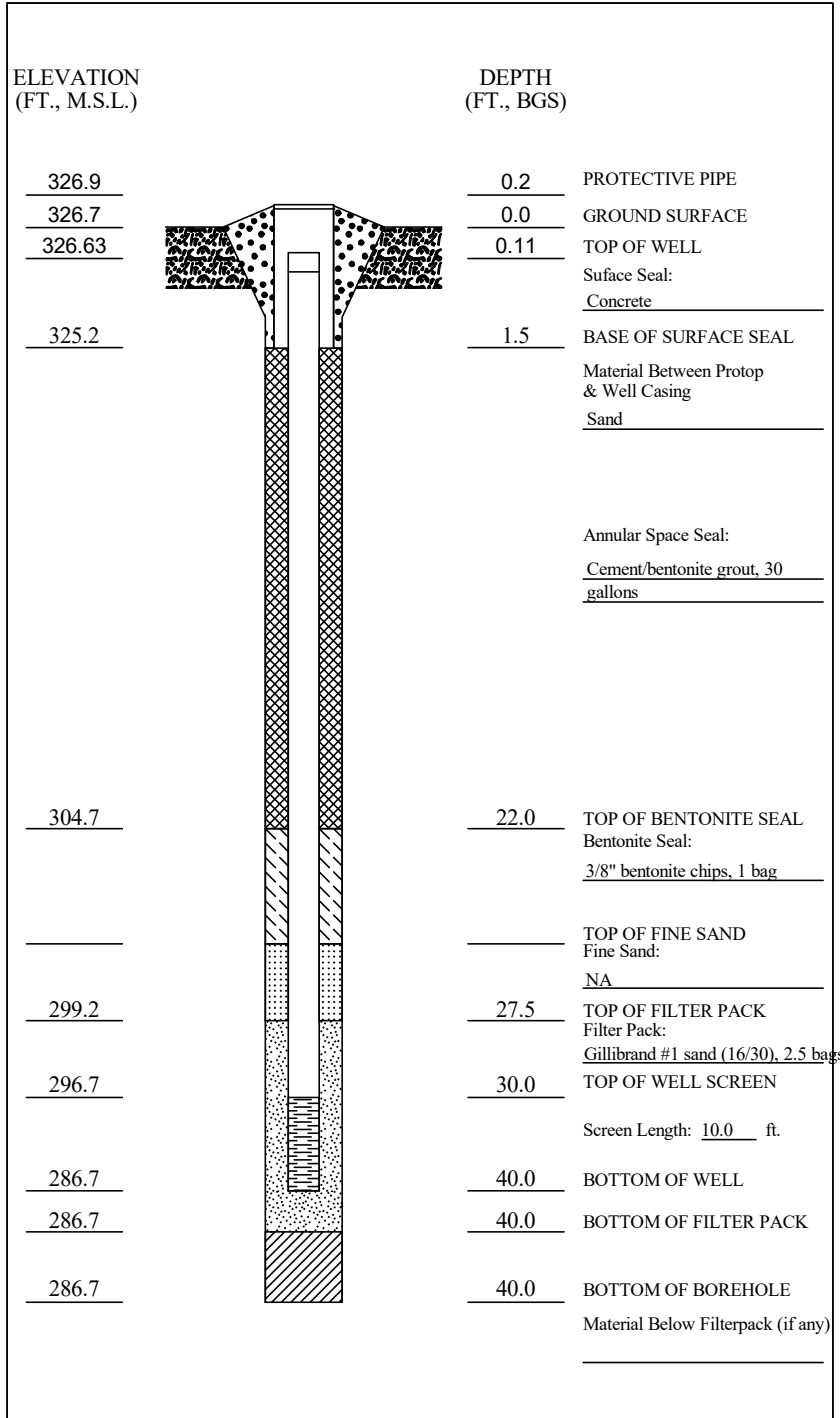
Comments: See water sample log for water level and DTB measurements.





## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-19	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/6/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N. R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Flush mount

Riser Pipe (Material & Schedule): Schedule 40 PVC

Well Casing Diameter (in): 2.07 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 40 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 60

Water: Removed: \_\_\_\_ Gallons

Added: \_\_\_\_ Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_ ft. Depth to Bottom: \_\_\_\_ ft.

After Development:

Measurement Date/Time: \_\_\_\_\_

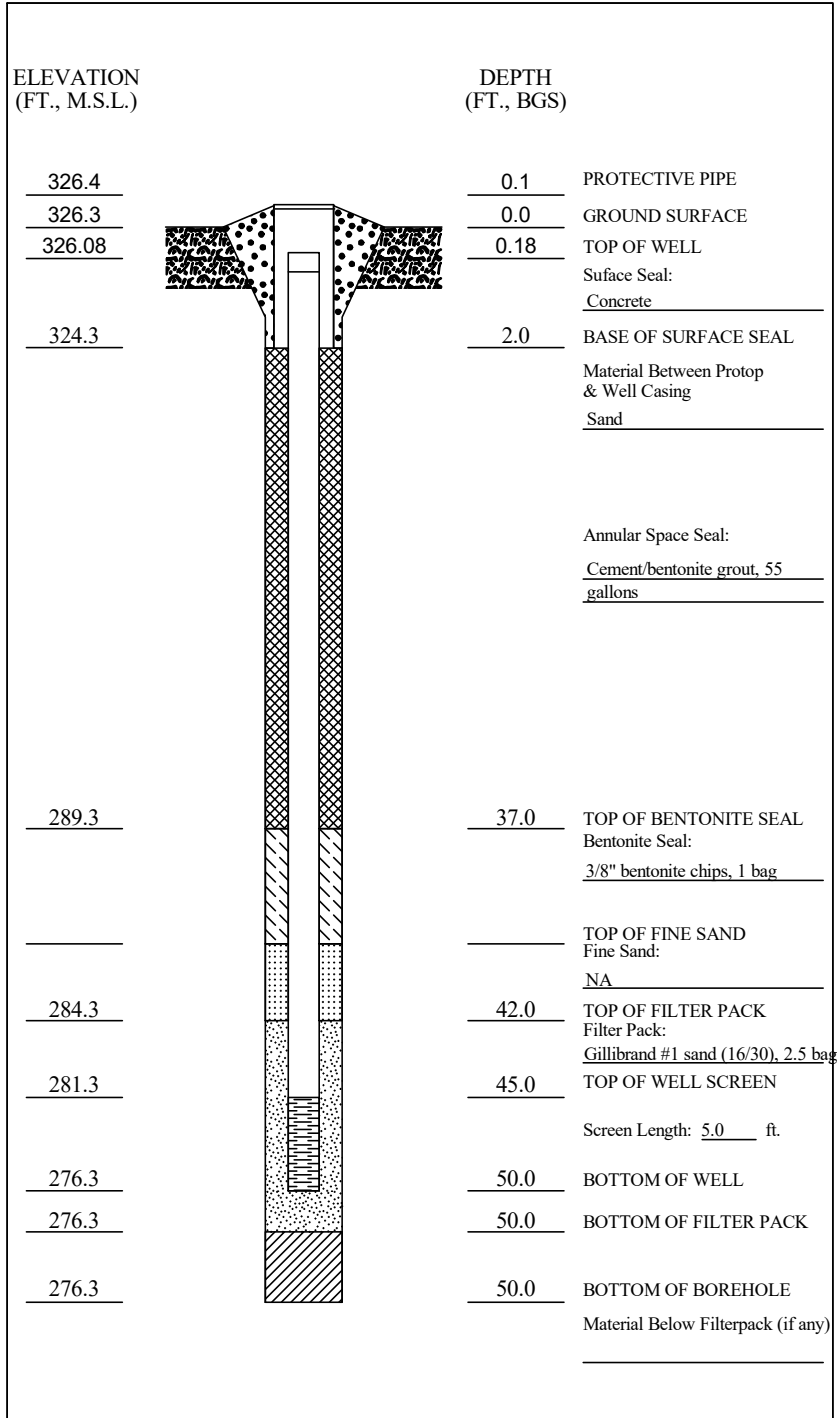
Depth to Water: \_\_\_\_ ft. Depth to Bottom: \_\_\_\_ ft.

Comments: See water sample log for water level and DTB measurements.



## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-20	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/11/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: _____ ft. N, _____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Locking flush mount

Riser Pipe (Material & Schedule): Schedule 40 PVC

Well Casing Diameter (in): 2.07 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 50 ft.

\_\_\_\_\_ From \_\_\_\_\_ ft. To \_\_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 60

Water: Removed: \_\_\_\_\_ Gallons

Added: \_\_\_\_\_ Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

After Development:

Measurement Date/Time: \_\_\_\_\_

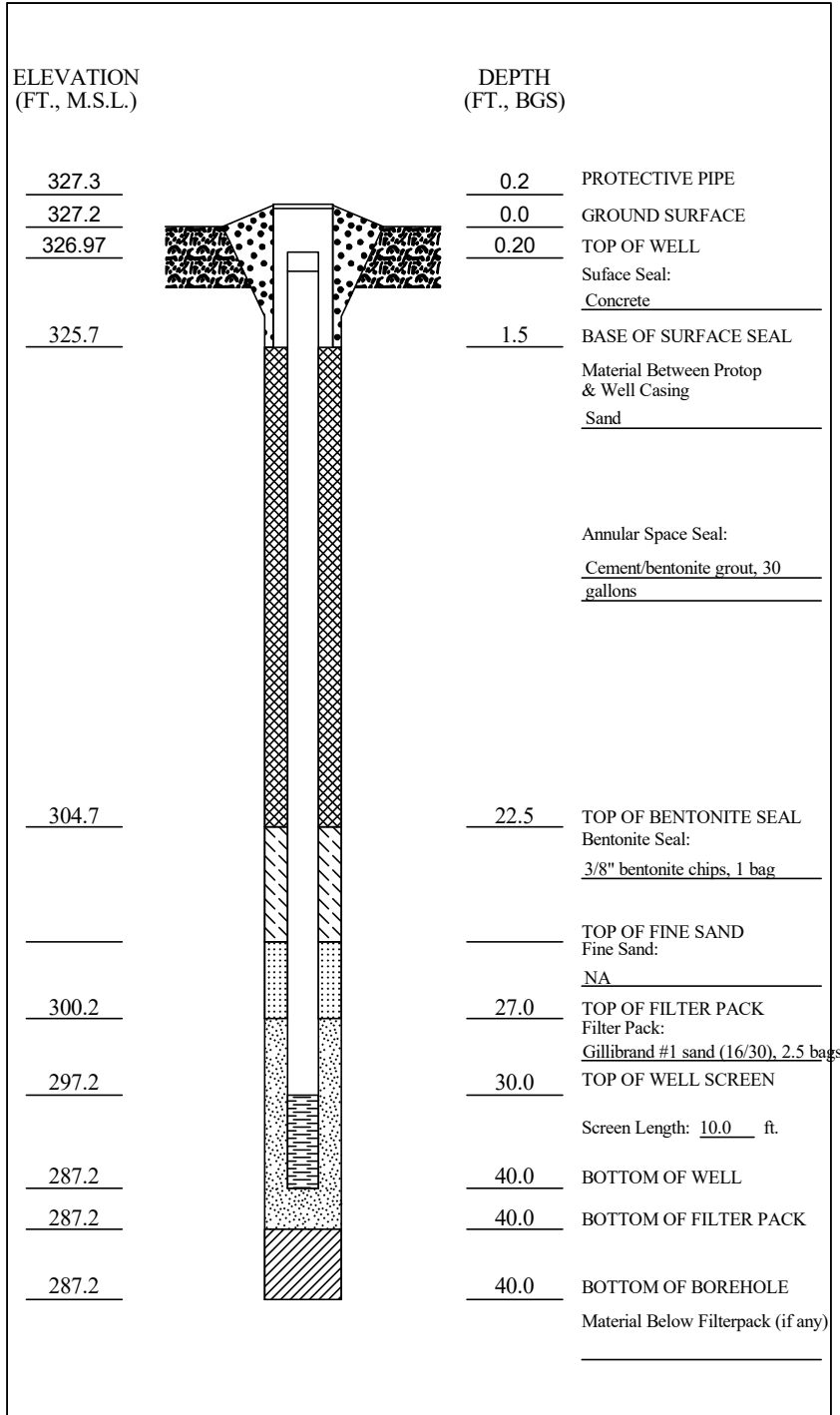
Depth to Water: \_\_\_\_\_ ft. Depth to Bottom: \_\_\_\_\_ ft.

Comments: See water sample log for water level and DTB measurements.



## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-21	
PROJ. NO:	255908.0000 ph.9	DATE INSTALLED:	6/13/2021	INST. BY:	Cascade Drilling	OBSV. BY:	M. Westover
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 40 ft.

\_\_\_\_ From \_\_\_\_ ft. To \_\_\_\_ ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 60

Water: Removed: \_\_\_\_ Gallons

Added: \_\_\_\_ Gallons

#### Water Clarity Before/After Development:

Before: Turbid, grayish brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: \_\_\_\_\_

Depth to Water: \_\_\_\_ ft. Depth to Bottom: \_\_\_\_ ft.

After Development:

Measurement Date/Time: \_\_\_\_\_

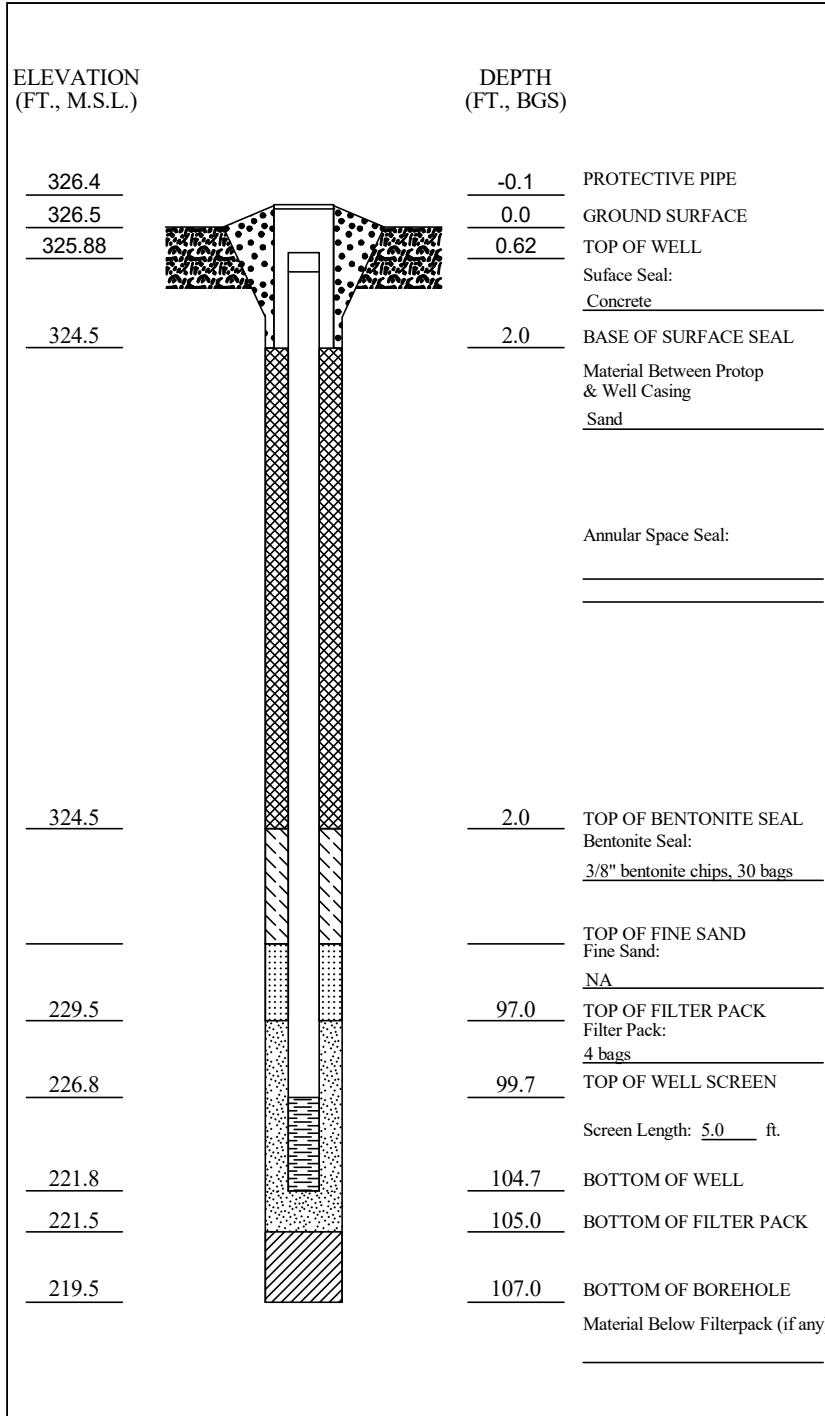
Depth to Water: \_\_\_\_ ft. Depth to Bottom: \_\_\_\_ ft.

Comments: See water sample log for water level and DTB measurements.



## WELL CONSTRUCTION DIAGRAM

PROJECT:	Aramark Uniform & Career Apparel				WELL NUMBER:	MW-031DR	
PROJ. NO:	255308.0000 ph.9	DATE INSTALLED:	3/29/2022	INST. BY:	Cascade Drilling	OBSV. BY:	M. Tofte
____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R. ____ <input type="checkbox"/> E <input type="checkbox"/> W				STATE PLANE COORDINATES: ____ ft. N, ____ ft. E.			



### 1. CASING AND SCREEN DETAILS:

Protective Cover with Lock? Yes Key No: Master #3807

Protective Cover Description: Flush mount

Riser Pipe (Material & Schedule): Schedule 80 PVC

Well Casing Diameter (in): 1.94 I.D. 2.38 O.D.

Screen Type: Factory Slotted PVC

Slot Size (in): 0.010 Pipe Joints: Flush threaded

Borehole Diameter (in): 6 From 0 ft. To 105 ft.

4 From 105 ft. To 107 ft.

Comments: \_\_\_\_\_

### 2. WELL DEVELOPMENT:

Development Method: Surged with pump and pumped

Time Spent Developing (min): 180

Water: Removed: 200 Gallons

Added: 0 Gallons

#### Water Clarity Before/After Development:

Before: Turbid, brown

After: Clear

#### Water Level Information:

Before Development:

Measurement Date/Time: 3/29/2022 2:00:00 PM

Depth to Water: 27.80 ft. Depth to Bottom: 105.00 ft.

After Development:

Measurement Date/Time: 3/29/2022 6:00:00 PM

Depth to Water: 27.77 ft. Depth to Bottom: 105.00 ft.

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# WELL CONSTRUCTION LOG

WELL NO. MW-03IDR

Page 1 of 3

Facility/Project Name: <b>Aramark Uniform &amp; Career Apparel</b>		Date Drilling Started: <b>3/28/2022</b>	Date Drilling Completed: <b>3/29/2022</b>	Project Number: <b>255308.0000 ph.9</b>	
Drilling Firm: <b>Cascade Drilling</b>	Drilling Method: <b>Rotosonic</b>	Surface Elev. (ft) <b>326.5</b>	TOC Elevation (ft) <b>325.88</b>	Total Depth (ft bgs) <b>107.0</b>	Borehole Dia. (in) <b>6</b>
Boring Location: <b>[REDACTED]</b>		Personnel Logged By - M. Tofte Driller - Matt Herron		Drilling Equipment: <b>Rotosonic</b>	
Civil Town/City/or Village: <b>Sikeston</b>	County: <b>Scott</b>	State: <b>MO</b>	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time Depth (ft, bgs) Depth (ft, bgs)		

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
1 CS	100		5	<b>TOPSOIL</b> , grass and leaves. <b>SANDY SILT (ML)</b> , cohesive, 10YR 4/2 dark grayish brown.	ML			
2 CS	50		10	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, 10YR 5/3 brown.				
3 CS	25		20	(Poor recovery)	SP			
			25	Same as above, trace coarse sand.				

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255308.0000 ph.9 5/27/22

Signature: 	Firm: TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717	Phone 608.826.3600 Fax 608.826.3941
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## WELL CONSTRUCTION LOG

WELL NO. MW-03IDR

Page 2 of 3

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
4 CS	50		35	Same as above, 10YR 4/1 dark gray.				
				(Poor recovery)				
5 CS	10		40	Same as above, fine sand, 10YR 5/1 gray.	SP			
			45					
			50	<b>WELL GRADED SAND (SW)</b> , fine to coarse sand, 10YR 5/1 gray.	SW			
6 CS	50		55	<b>POORLY GRADED SAND (SP)</b> , fine to medium sand, 10YR 5/1 gray.				
				(Poor recovery)				
7 CS	5		60		SP			
			65					
				Same as above, less medium sand. (Poor recovery)				



## WELL CONSTRUCTION LOG

WELL NO. MW-03IDR

Page 3 of 3

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
8 CS	10		70					
			75					
			80	Same as above. (Poor recovery)	SP			
9 CS	10		85	POORLY GRADED SAND (SP), very fine sand, 10YR 5/1 gray.				Driller notes harder drilling at 84 feet.
			90		SP			
10 CS	10		95					
			100	POORLY GRADED SAND (SP), coarser sand.				
11 CS	40		105		SP			
			107	End of boring at 107 feet.				

SOIL BORING WELL CONSTRUCTION LOG ARAMARK\_SIKESTONMO.GPJ 255308.0000 ph.9 5/27/22

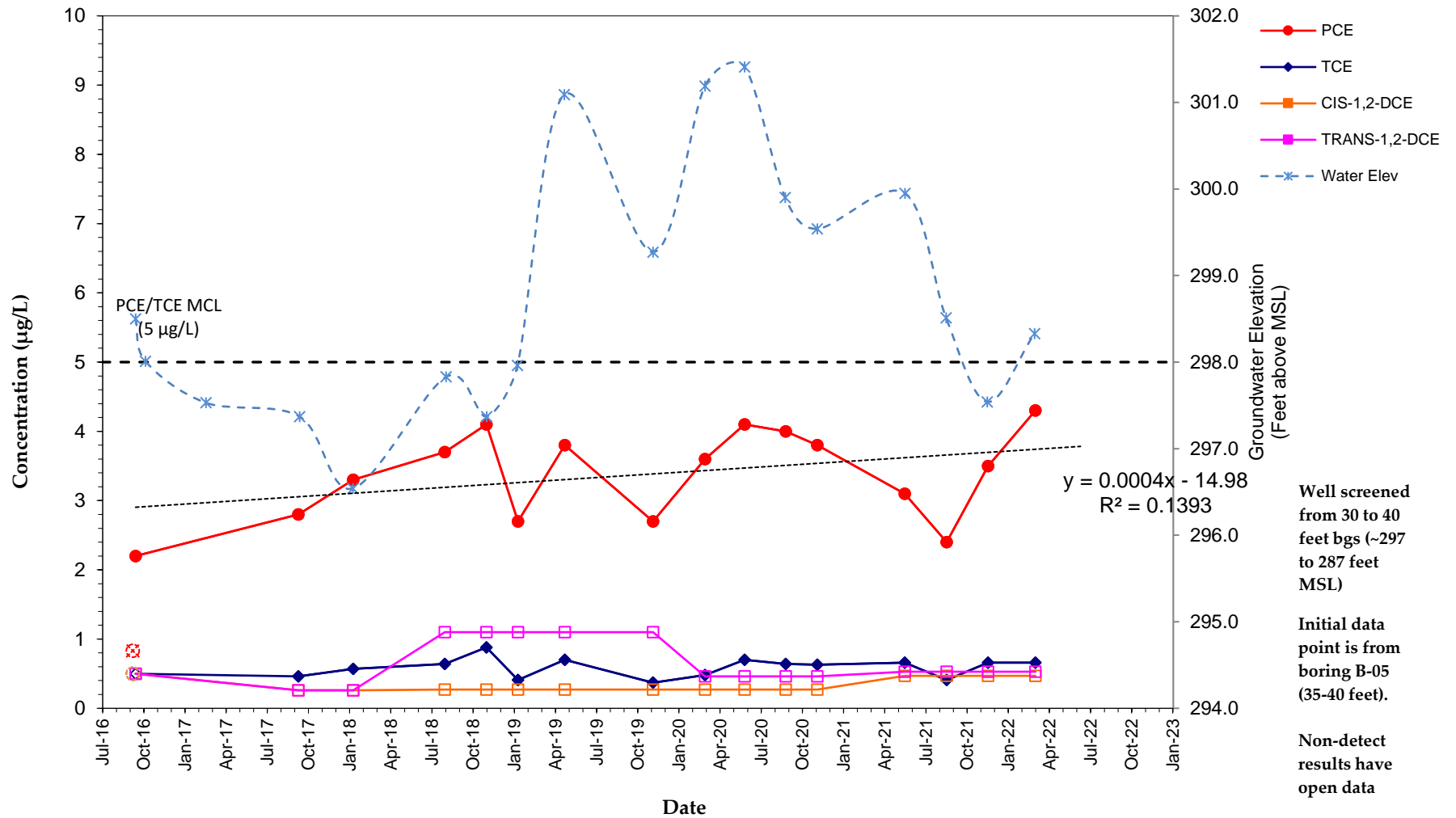
## **Appendix B: VOC Concentration Trends and Water Elevations Over Time**



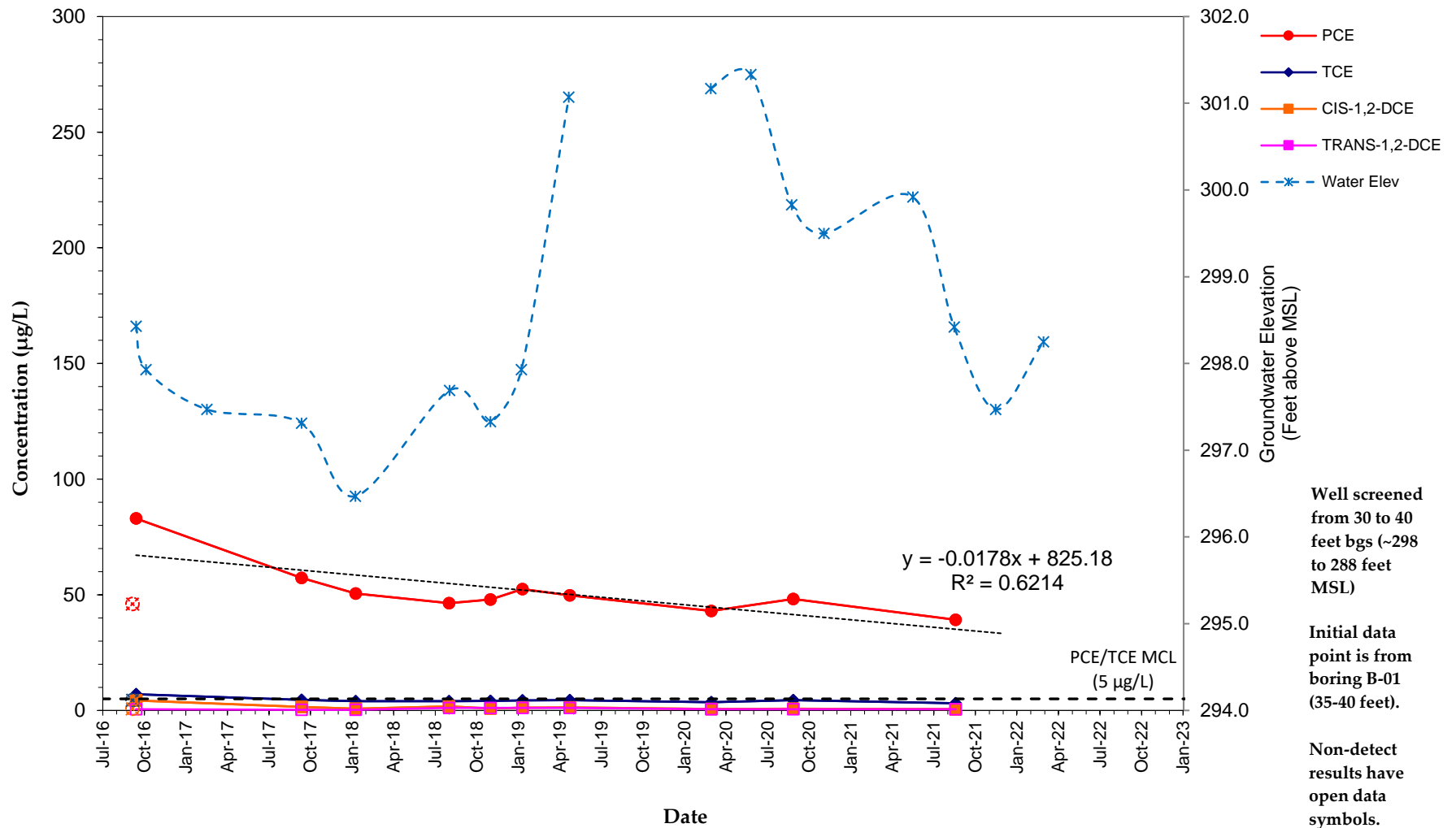
# MW-01

## VOC Concentration Trends

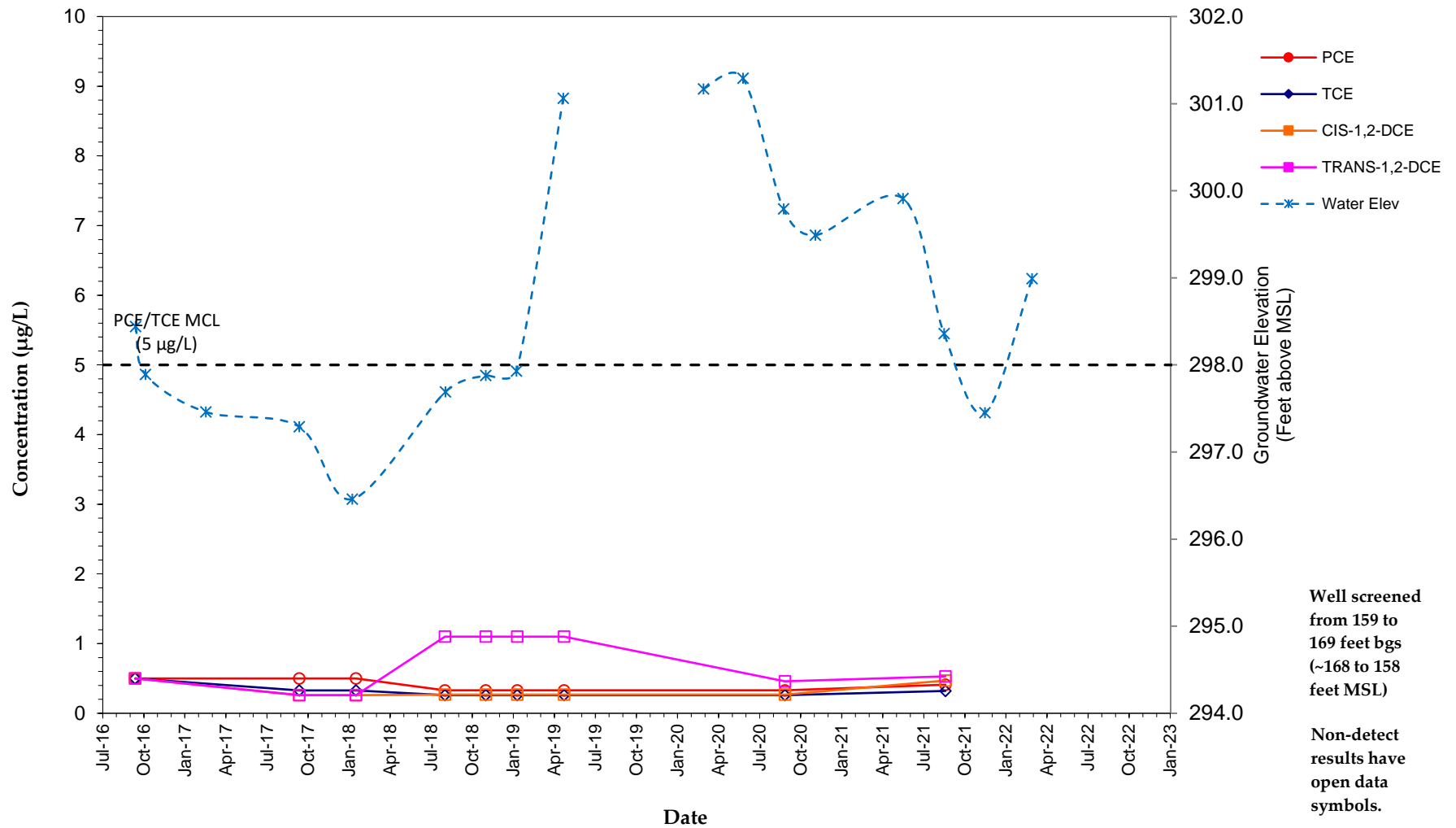
### Aramark - Sikeston, Missouri



# MW-02 VOC Concentration Trends Aramark - Sikeston, Missouri



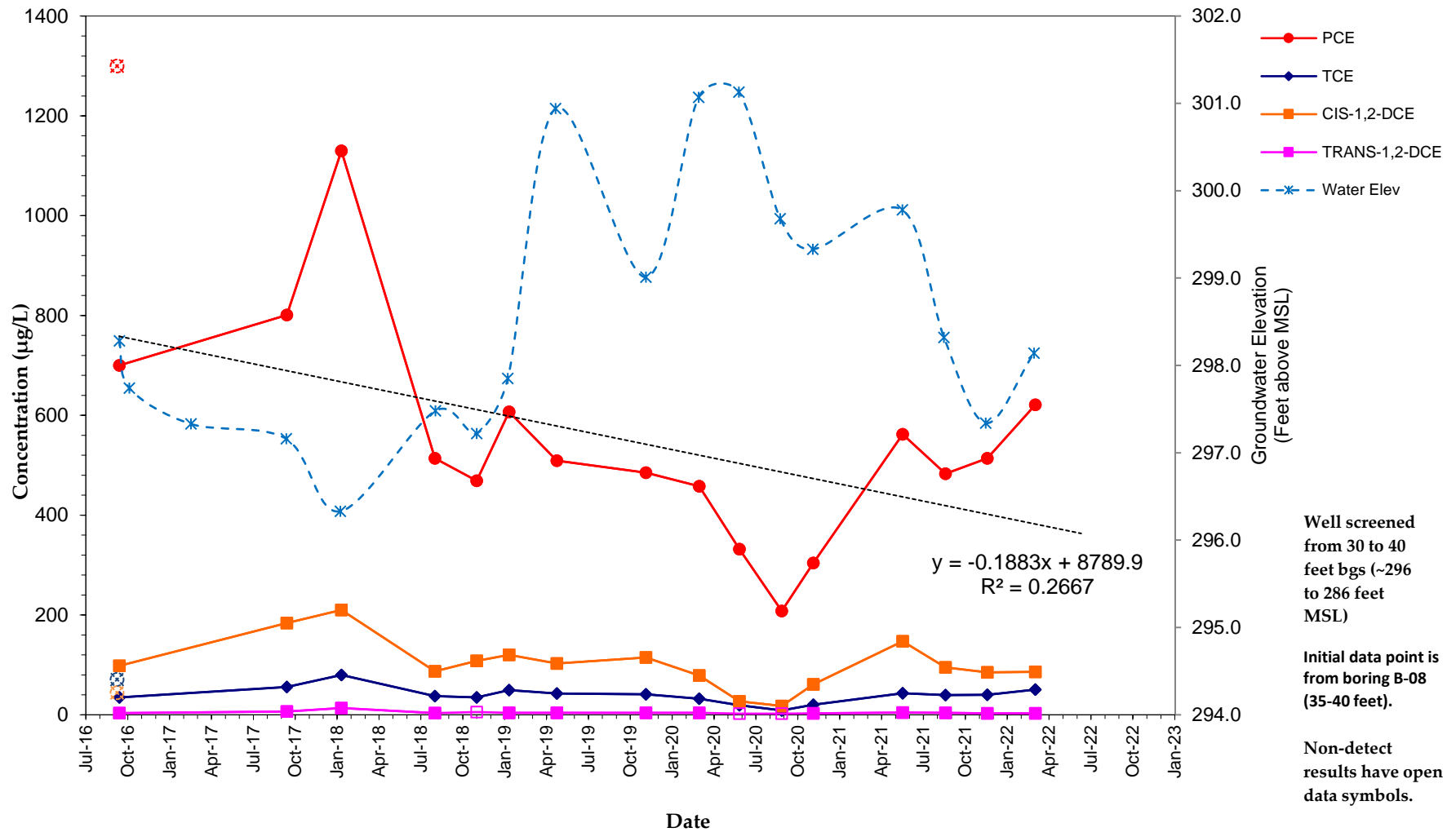
# MW-02A VOC Concentration Trends Aramark - Sikeston, Missouri



# MW-03

## VOC Concentration Trends

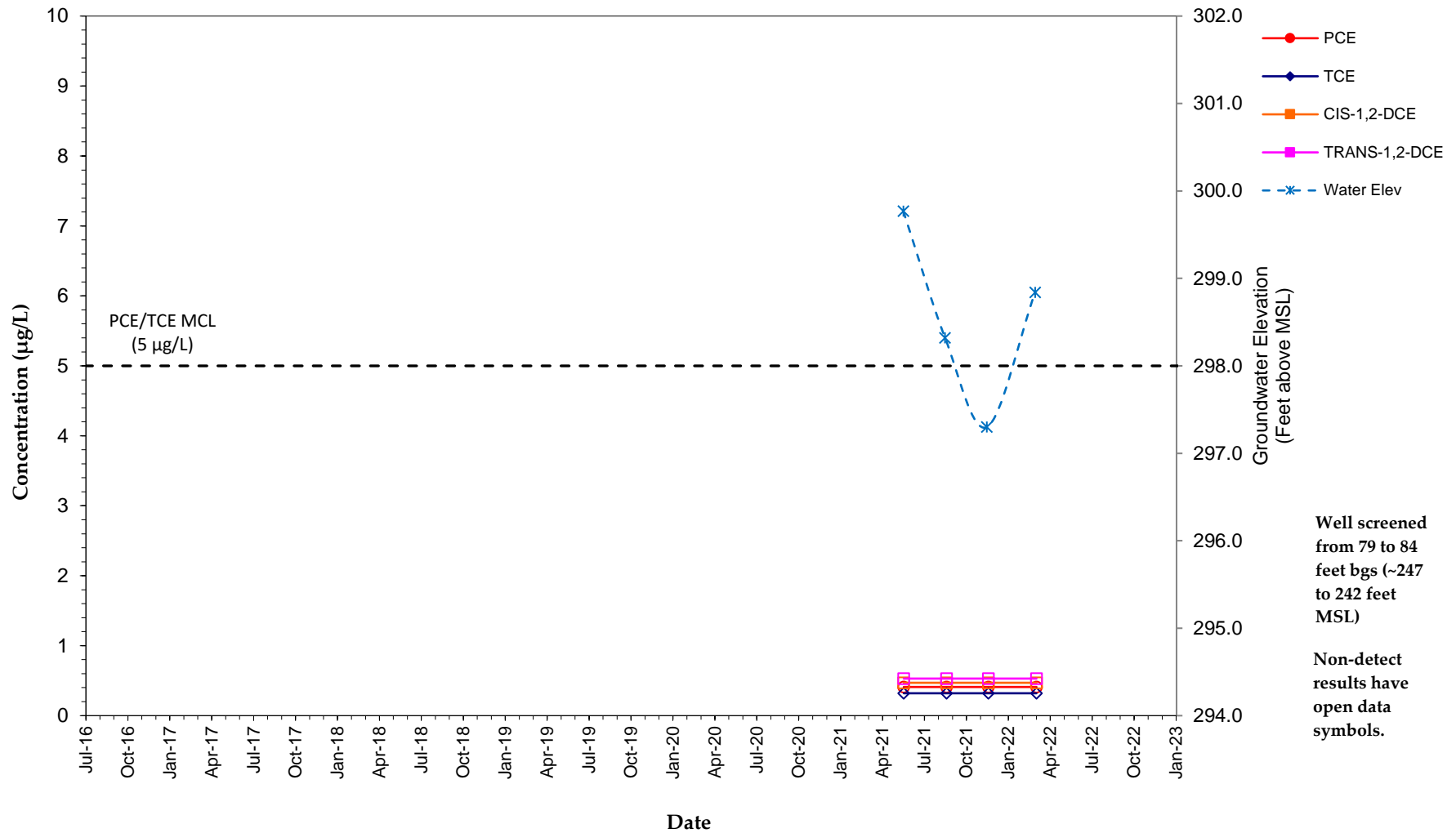
### Aramark - Sikeston, Missouri



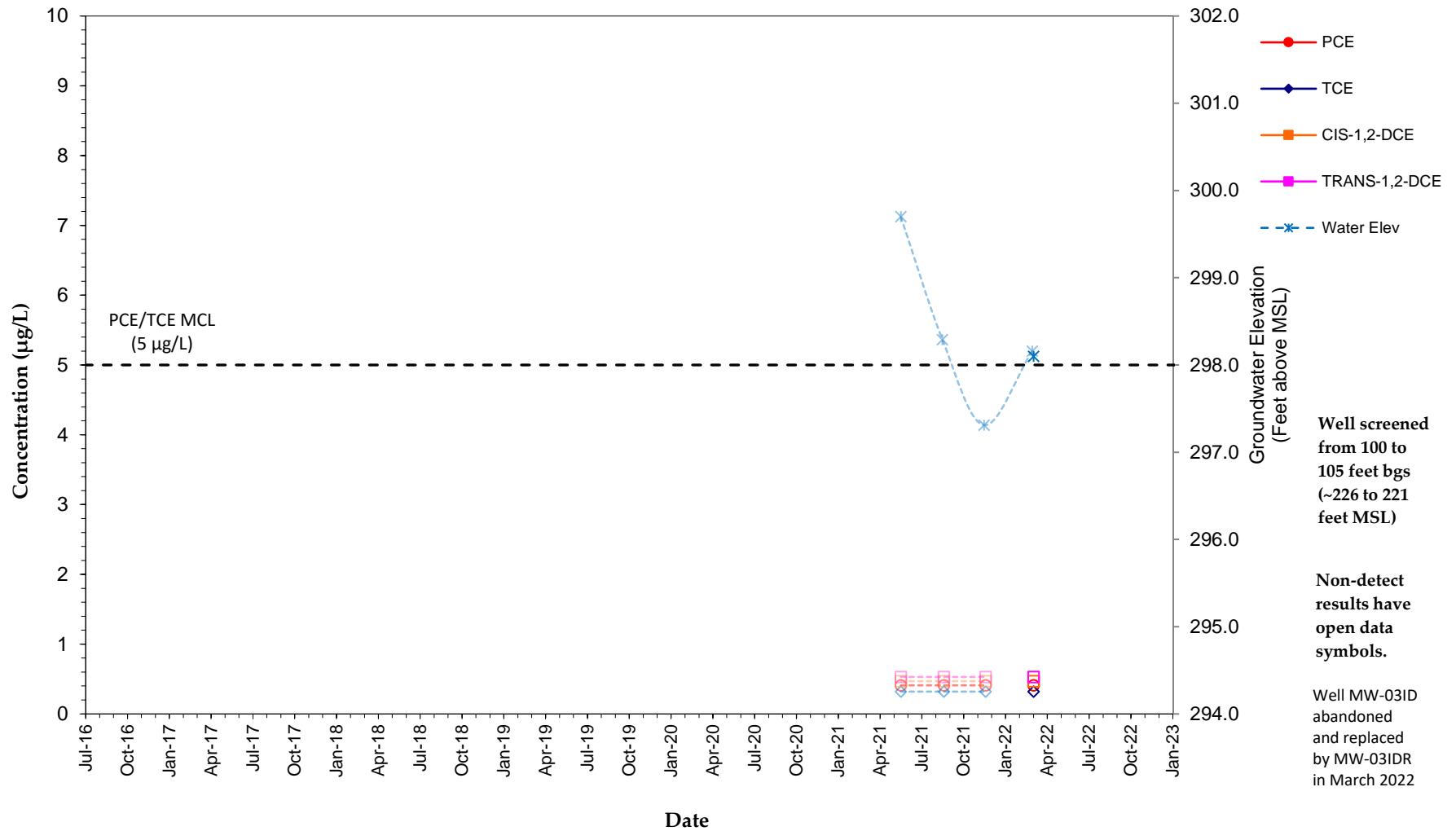
# MW-03IS

## VOC Concentration Trends

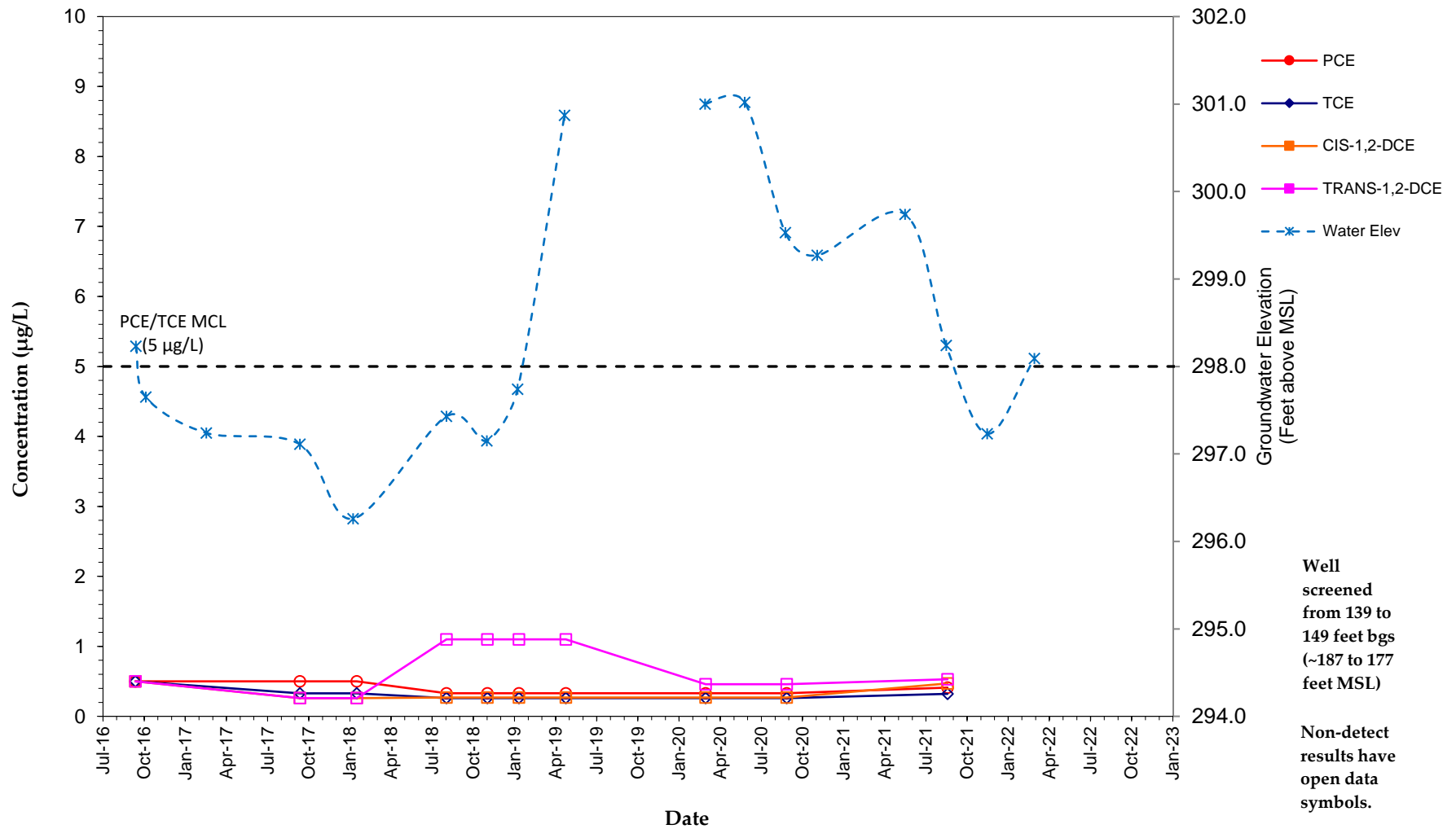
### Aramark - Sikeston, Missouri



**MW-03ID/MW-03IDR**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



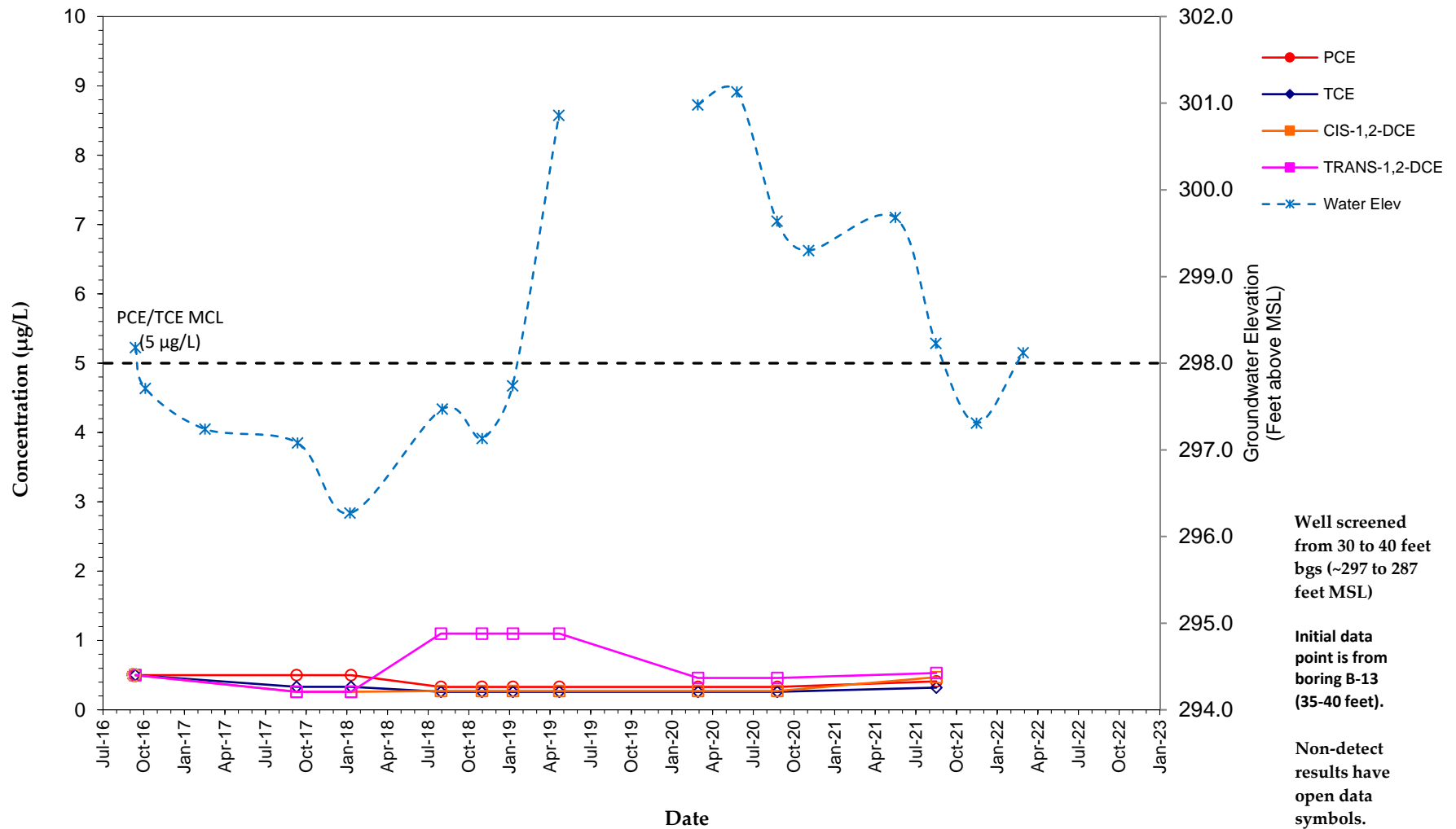
# MW-03A VOC Concentration Trends Aramark - Sikeston, Missouri



# MW-04

## VOC Concentration Trends

### Aramark - Sikeston, Missouri

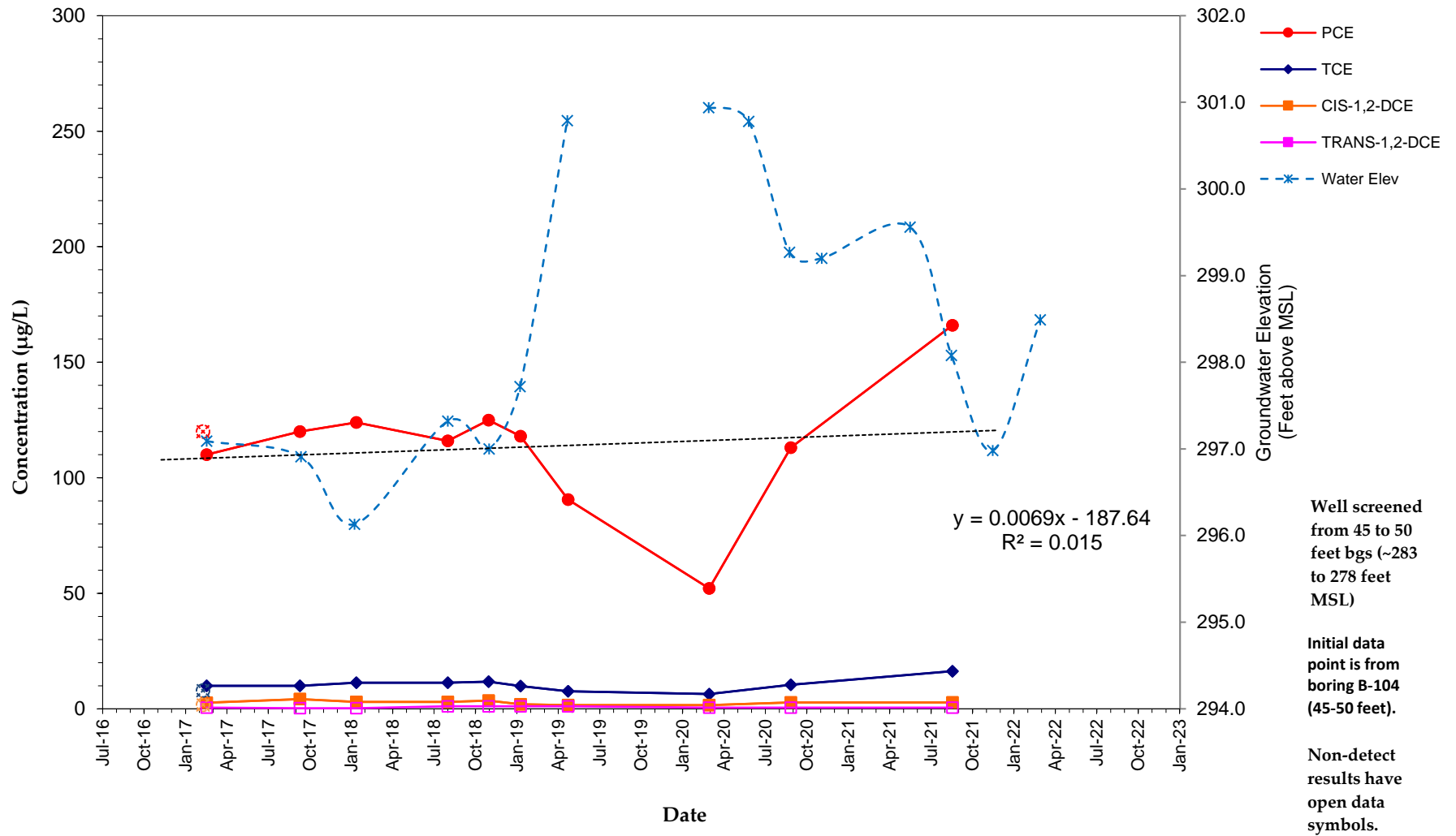




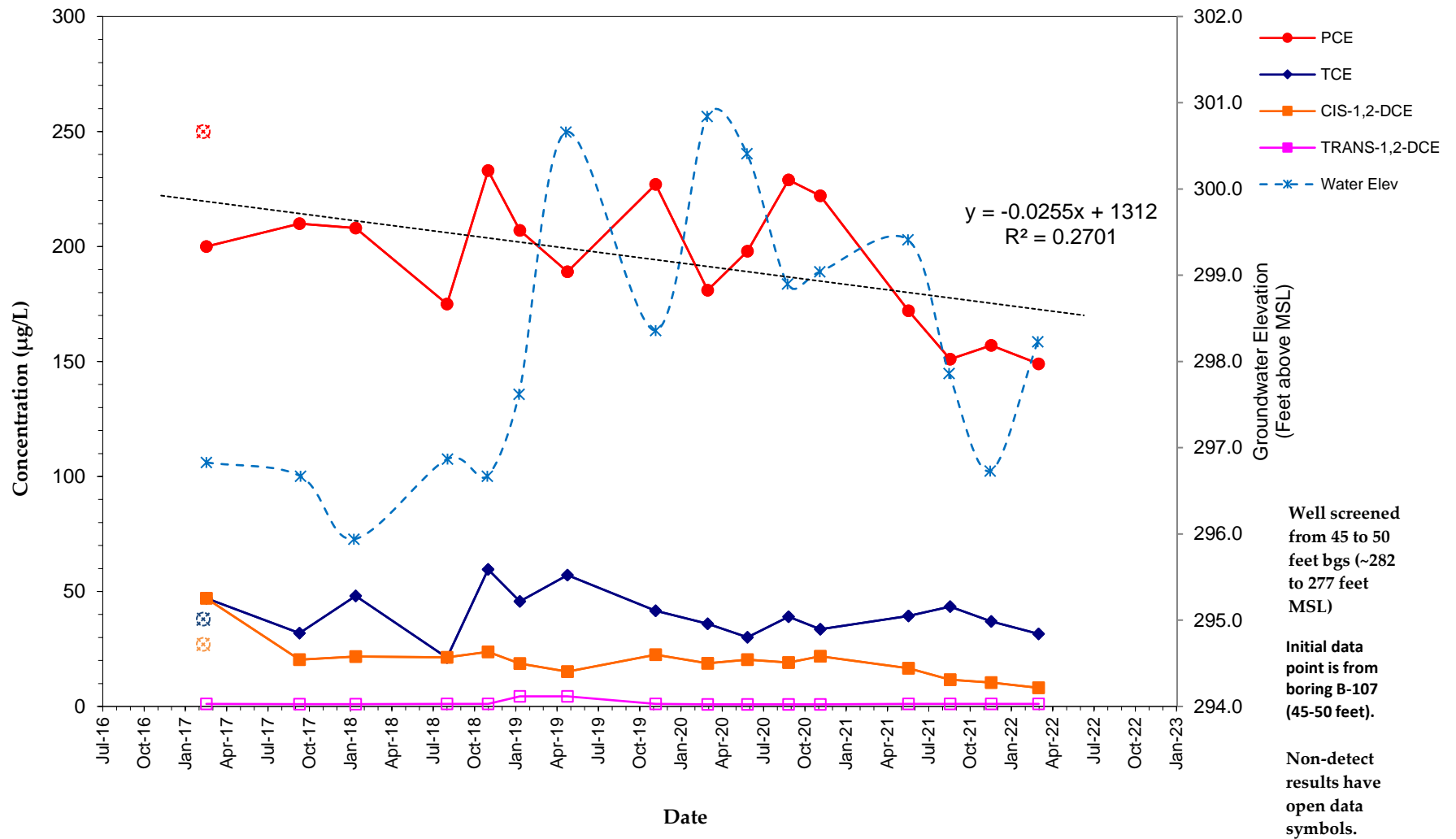
# MW-05

## VOC Concentration Trends

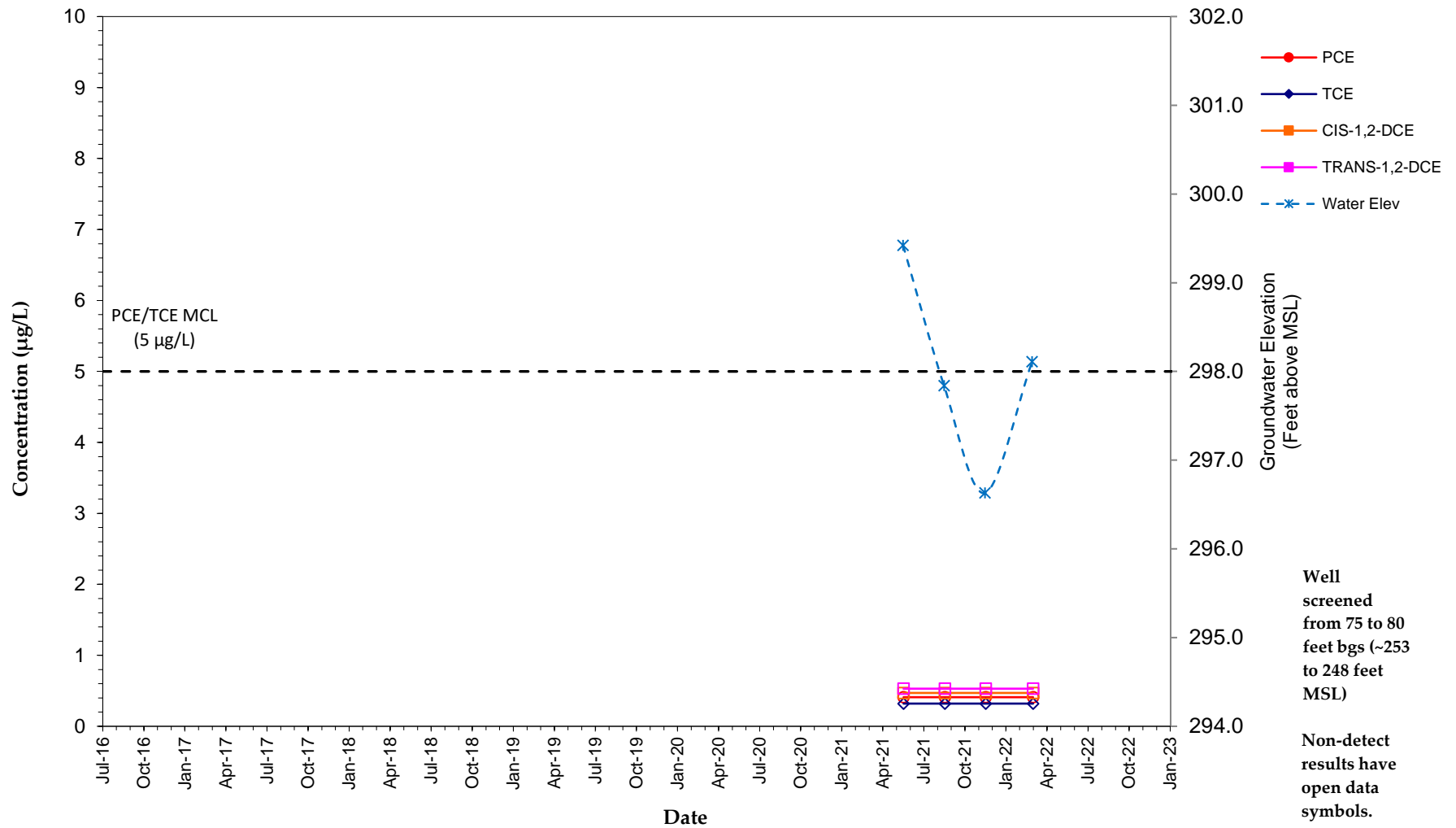
### Aramark - Sikeston, Missouri



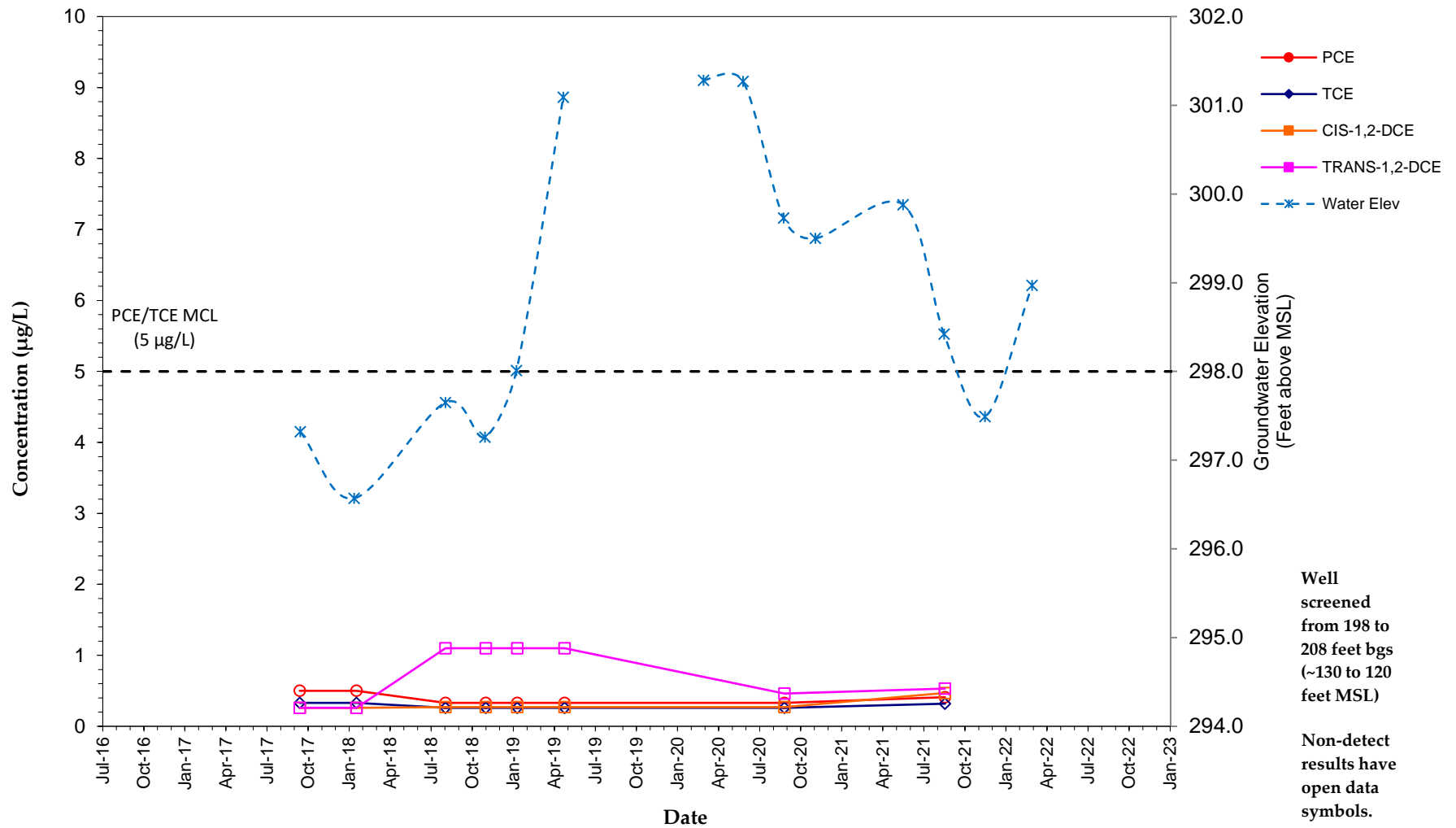
# MW-06 VOC Concentration Trends Aramark - Sikeston, Missouri



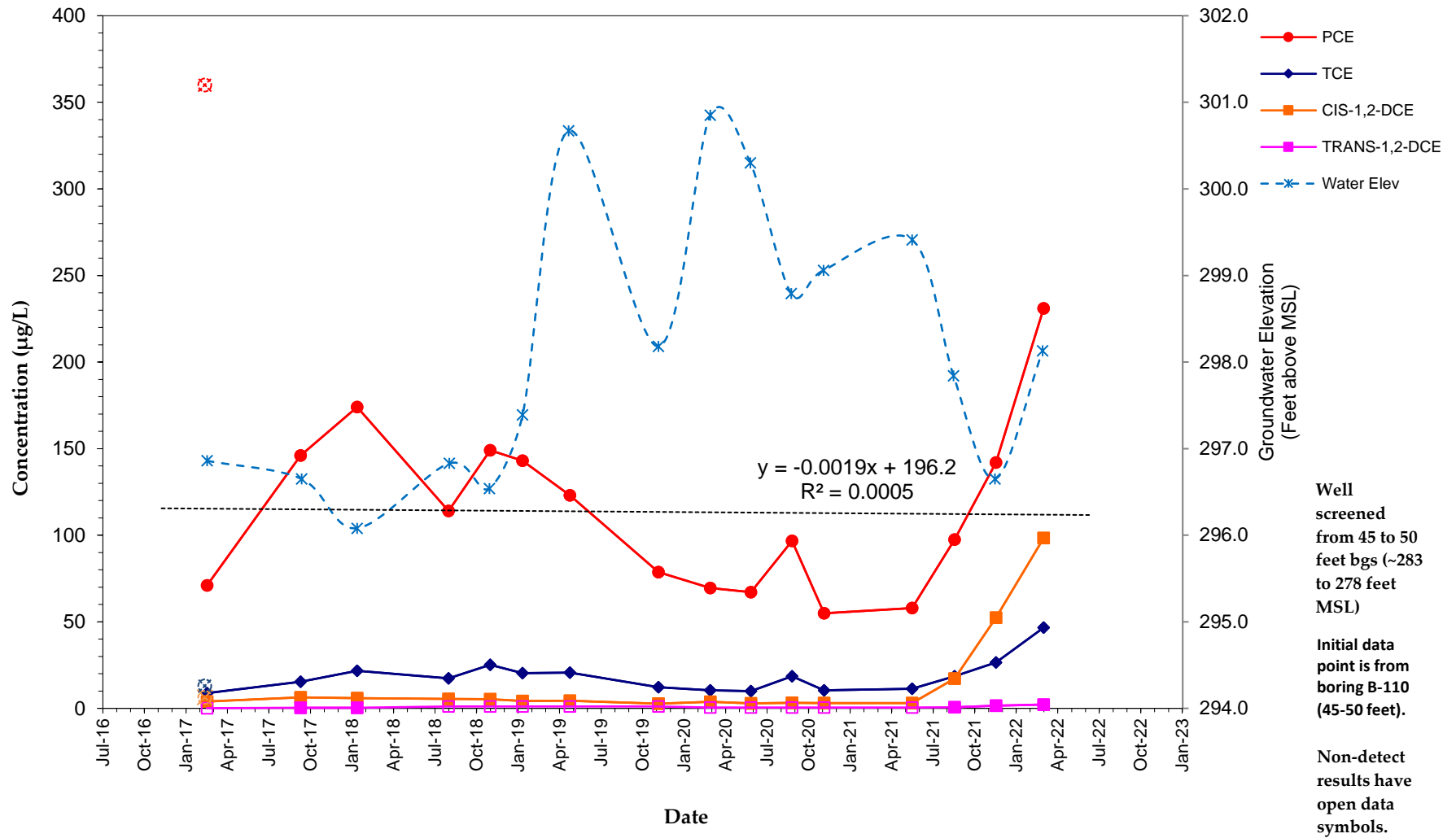
**MW-06IS**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



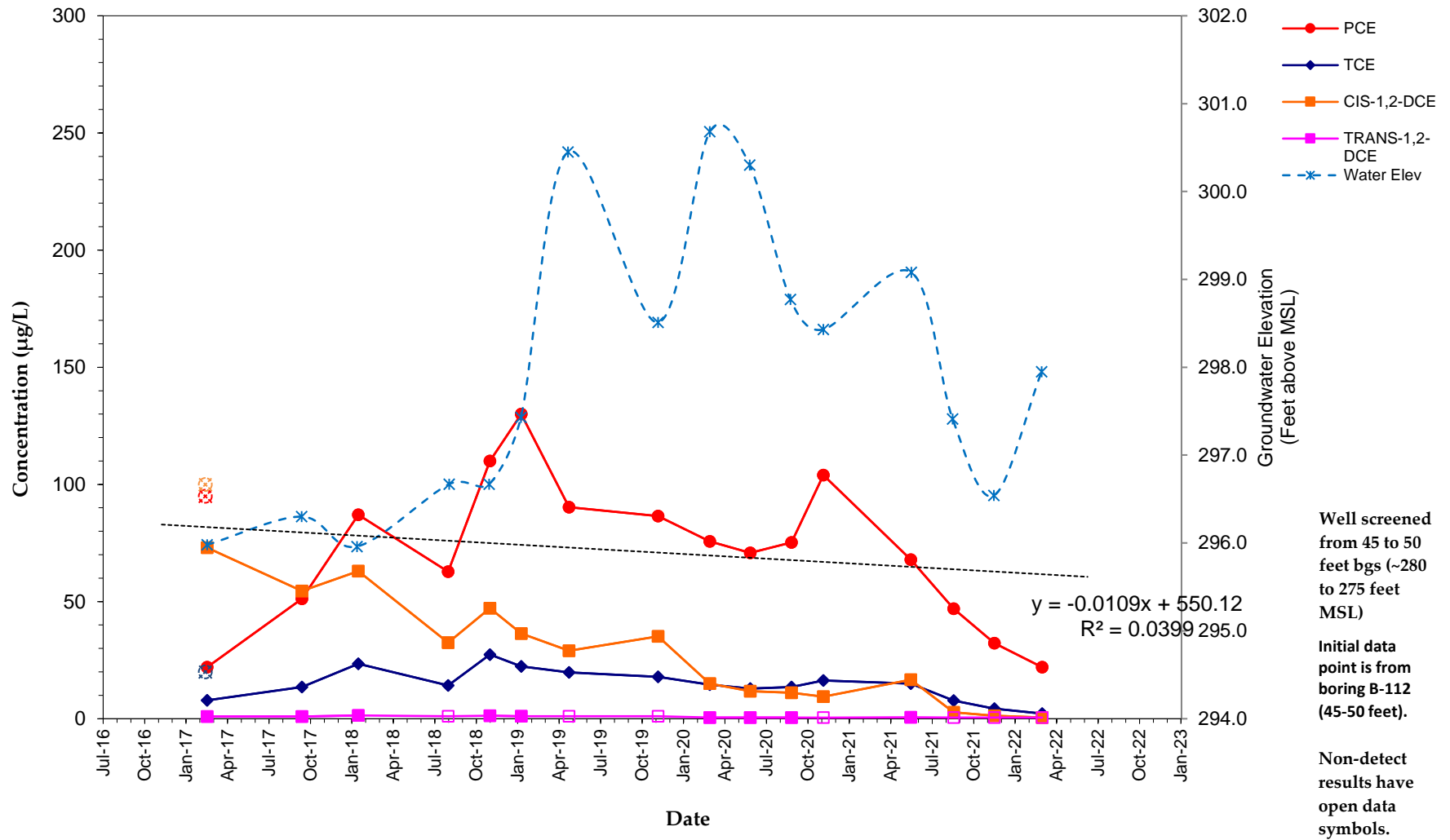
**MW-06A**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



**MW-07**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



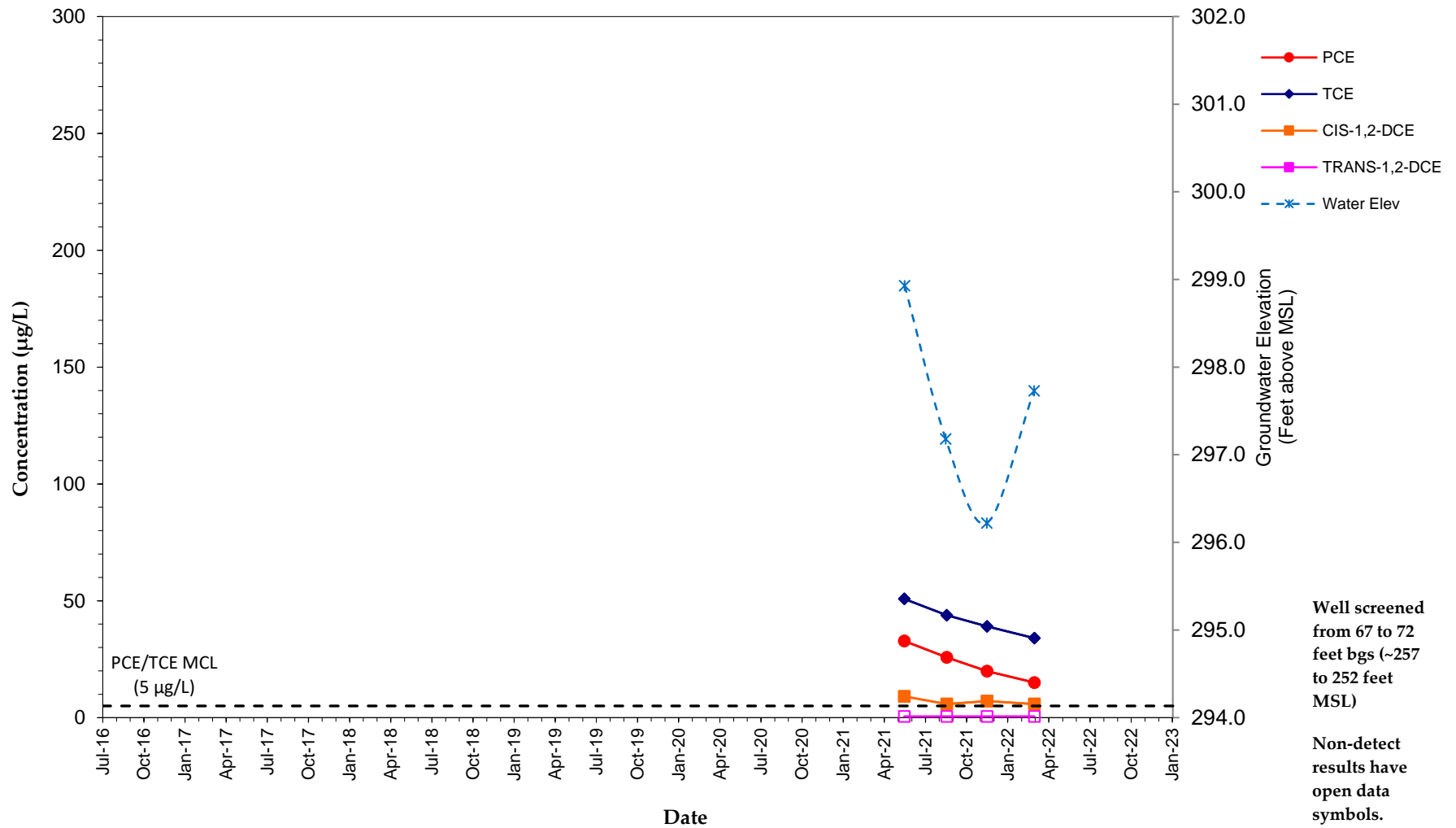
**MW-08**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



# MW-08IS

## VOC Concentration Trends

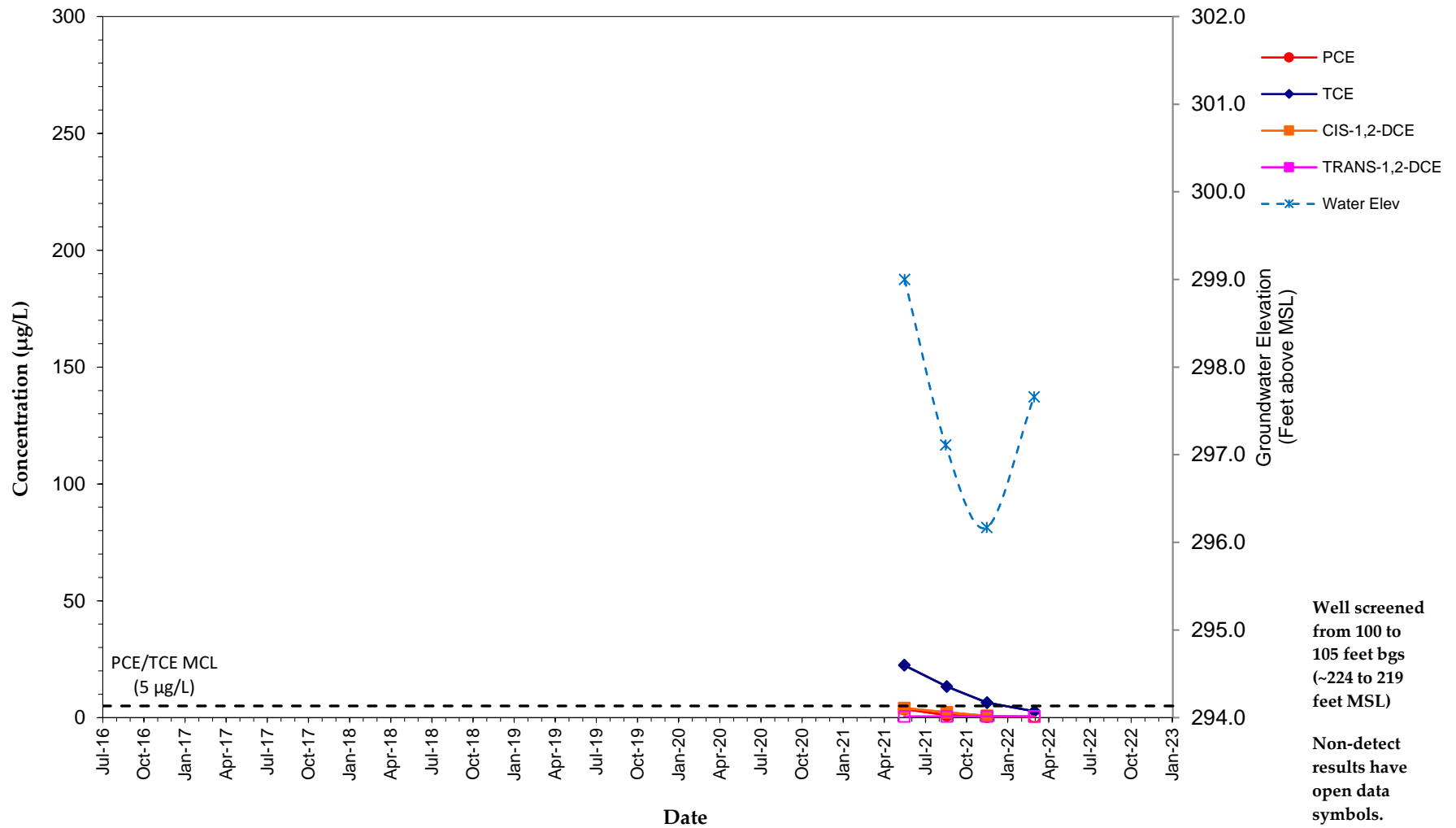
### Aramark - Sikeston, Missouri



# MW-08ID

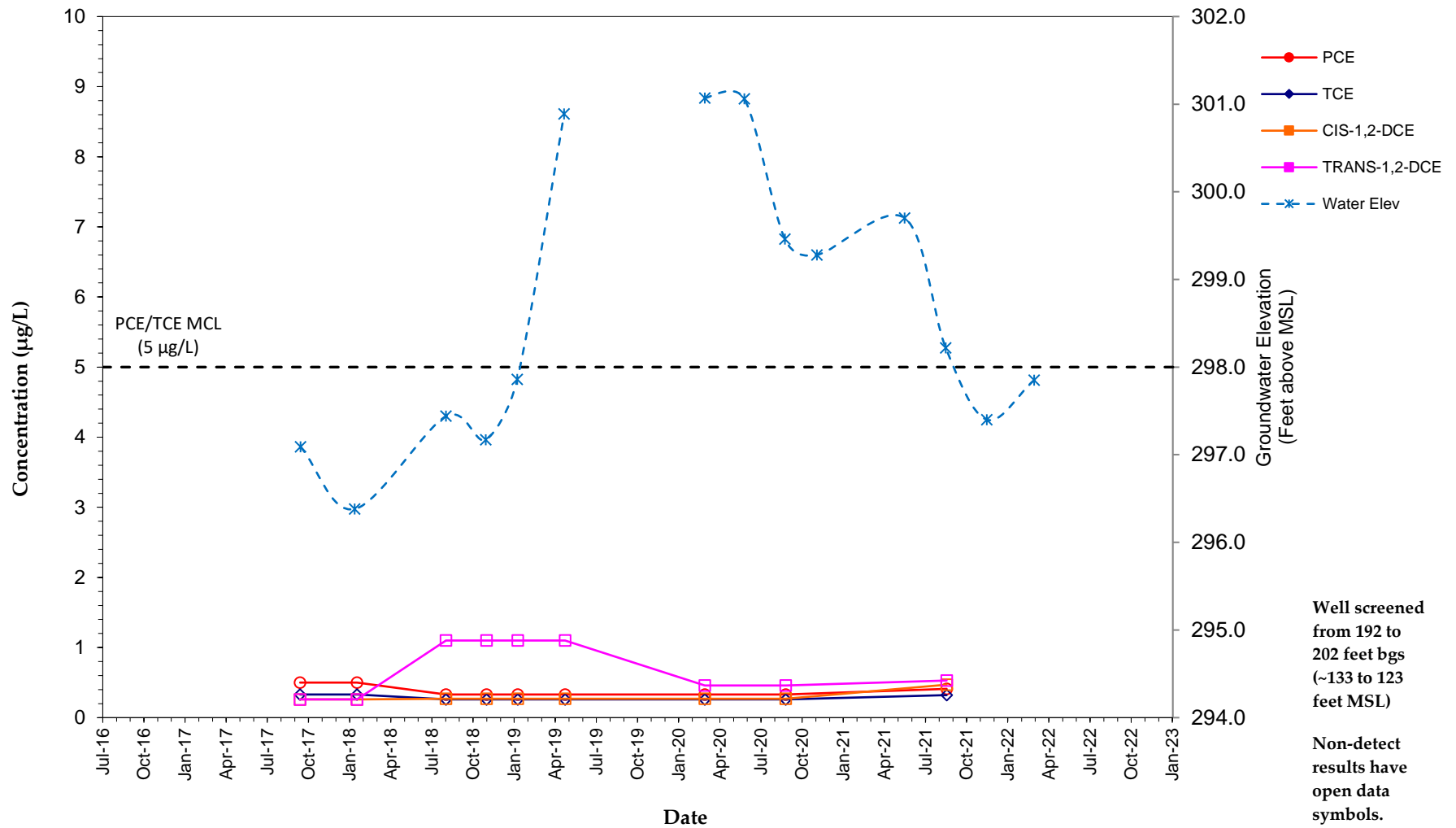
## VOC Concentration Trends

### Aramark - Sikeston, Missouri

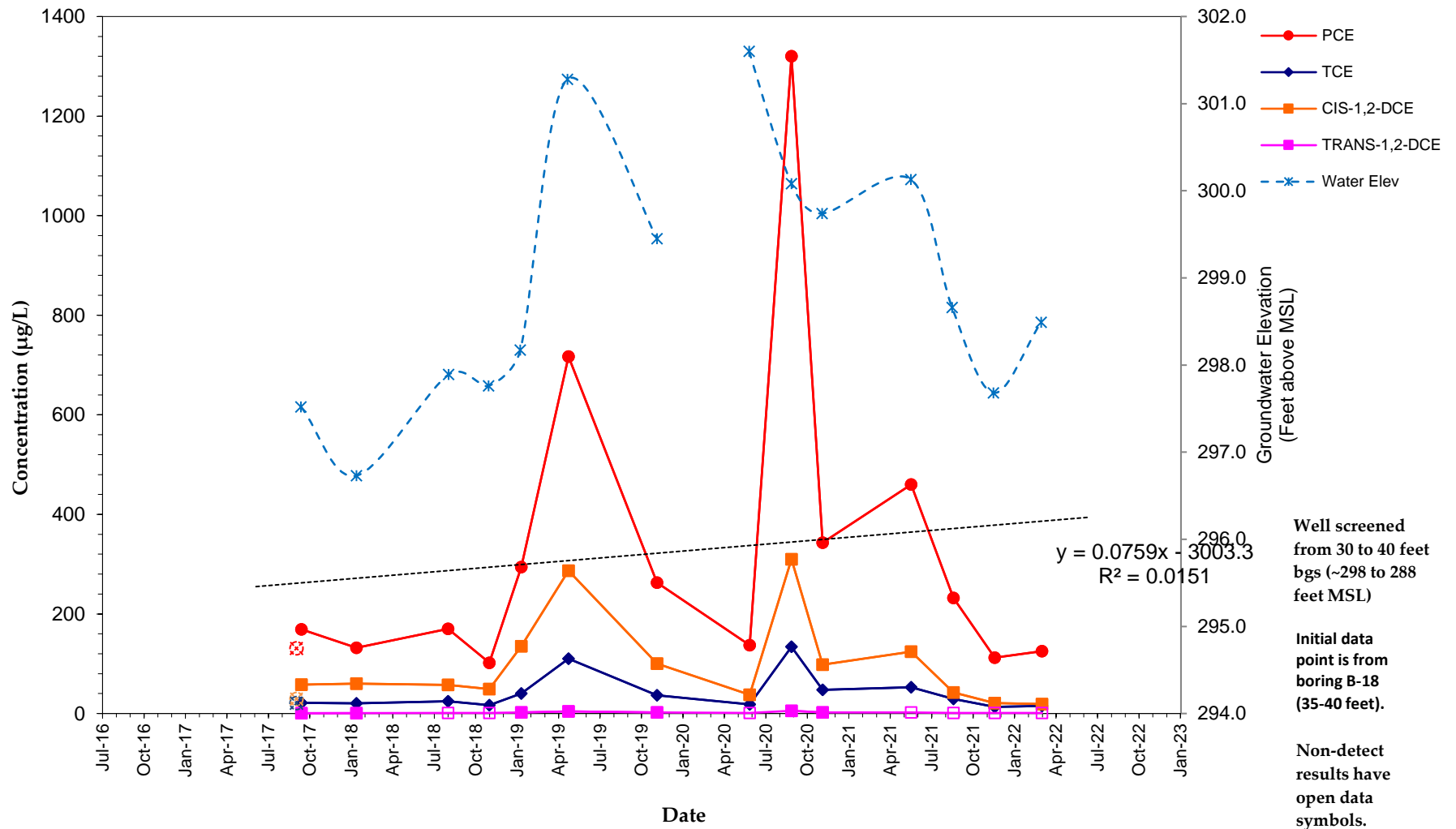




# MW-08A VOC Concentration Trends Aramark - Sikeston, Missouri



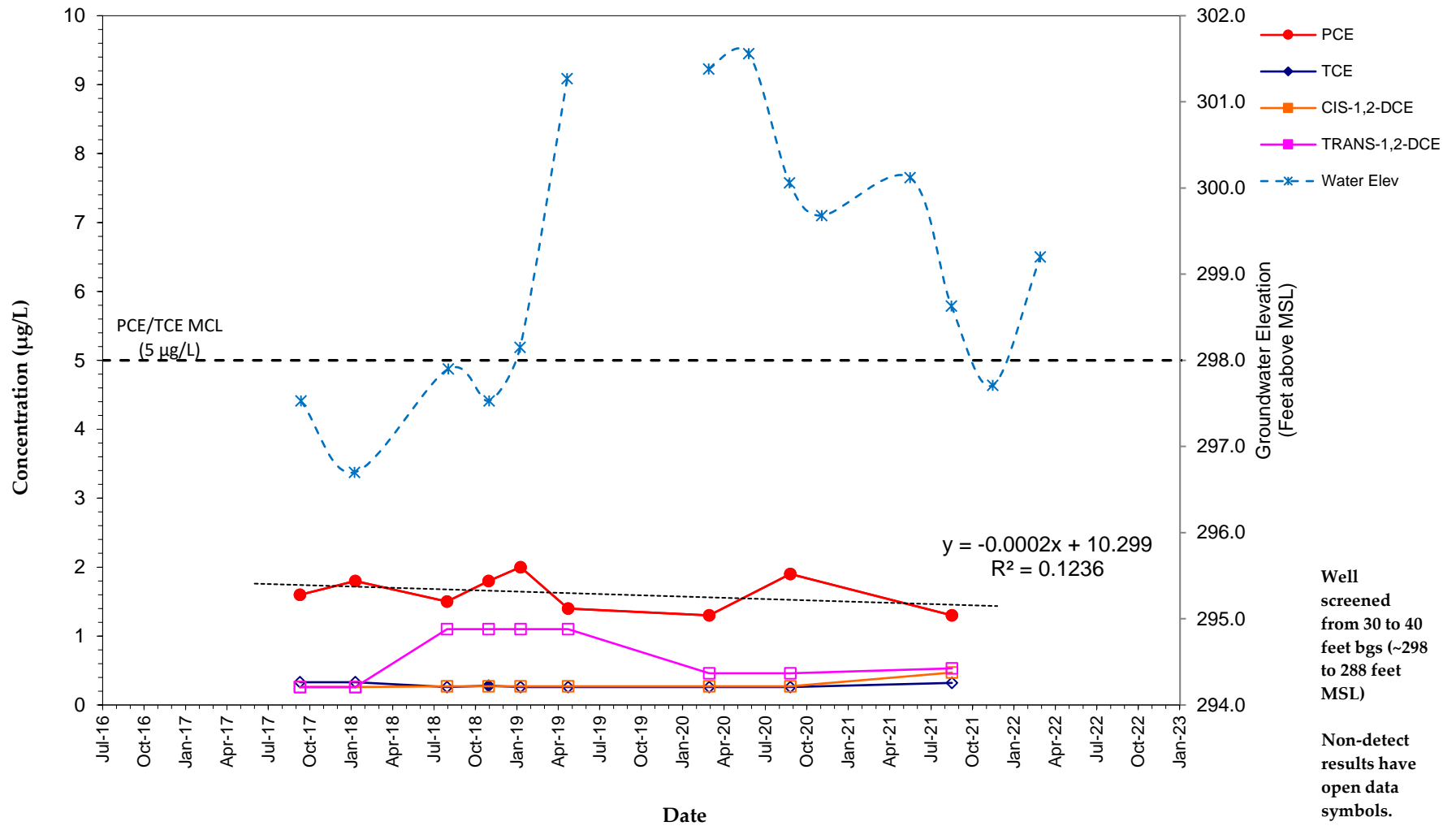
**MW-09**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



# MW-10

## VOC Concentration Trends

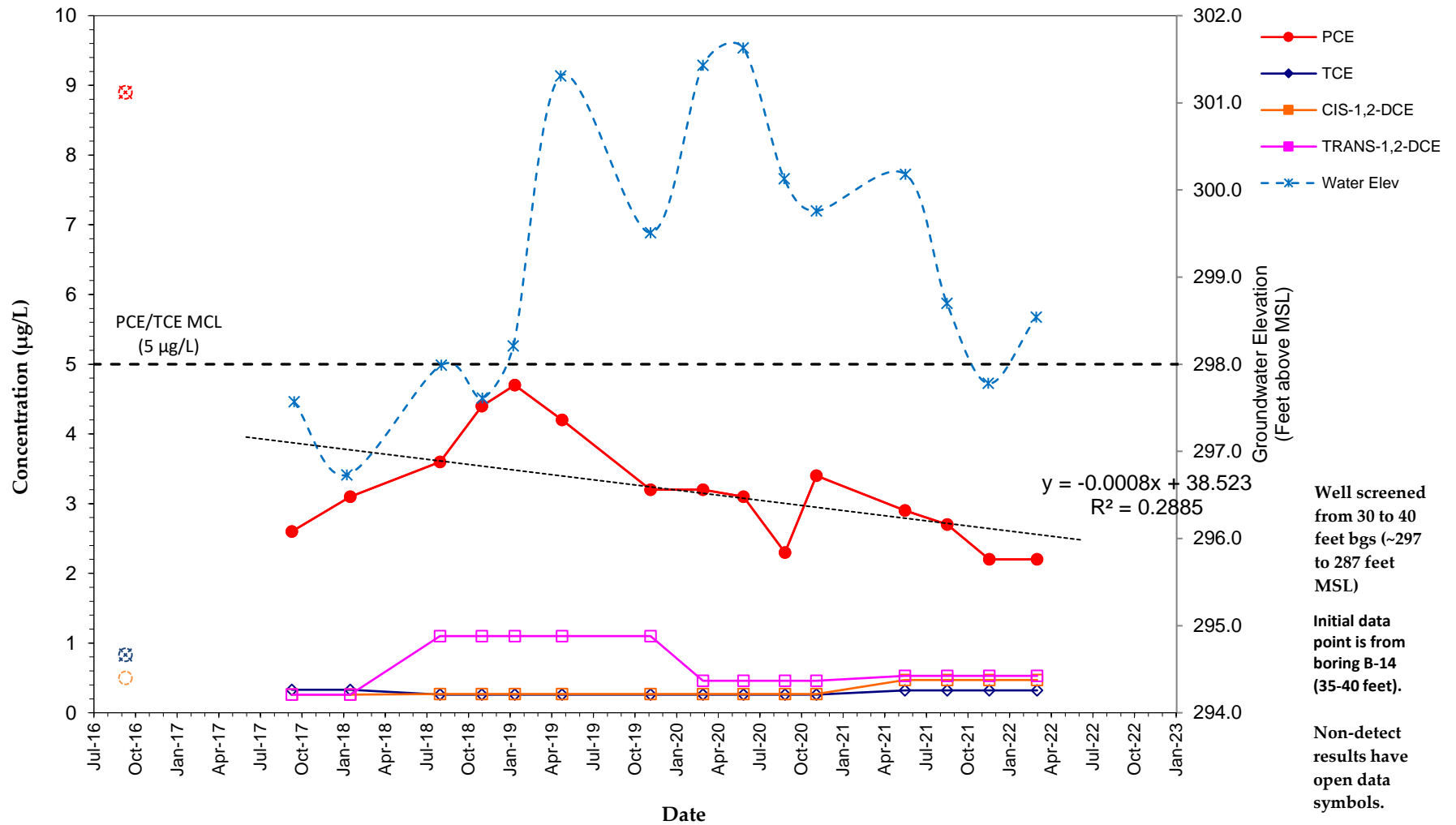
### Aramark - Sikeston, Missouri



# MW-11

## VOC Concentration Trends

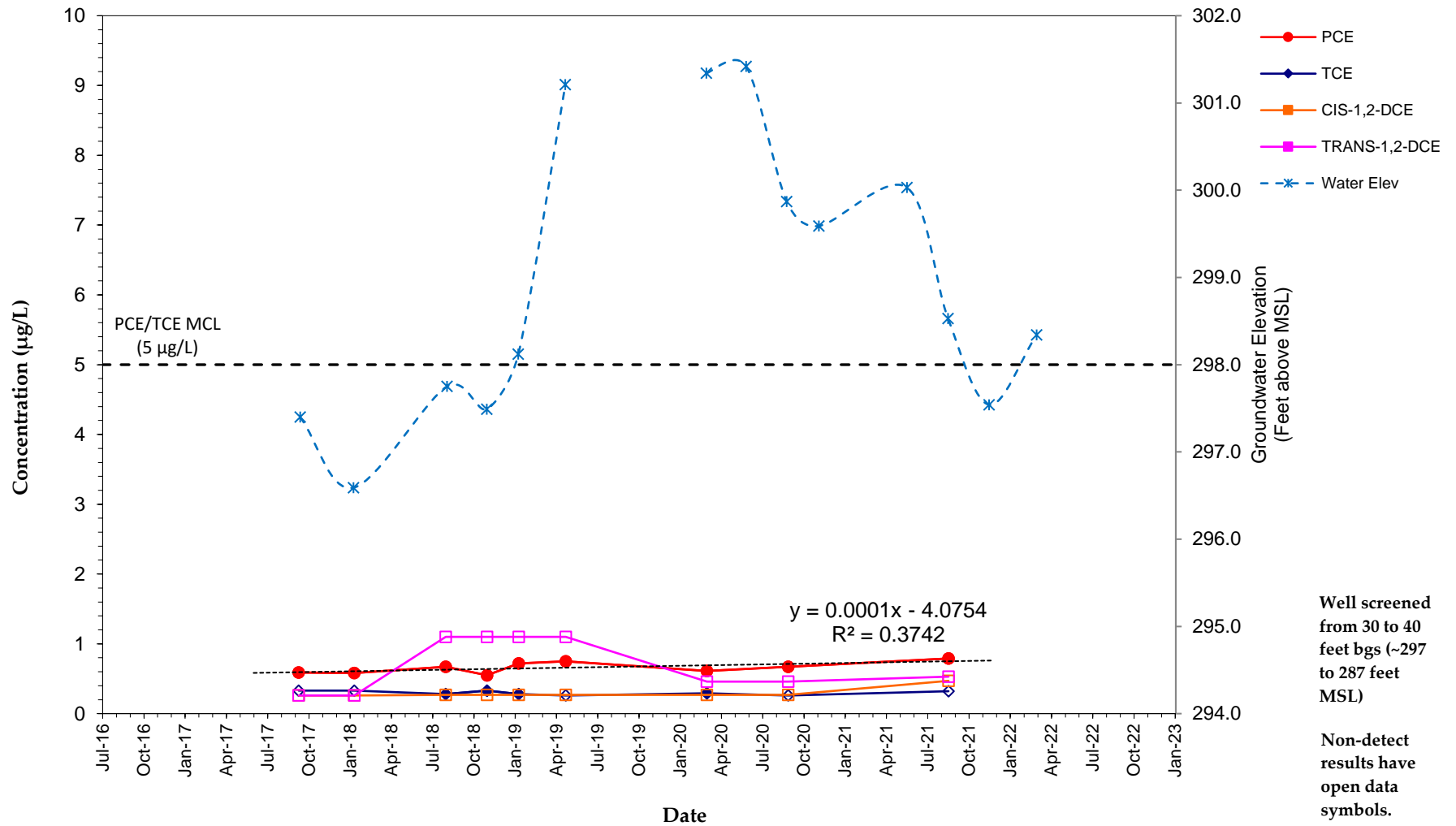
### Aramark - Sikeston, Missouri



# MW-12

## VOC Concentration Trends

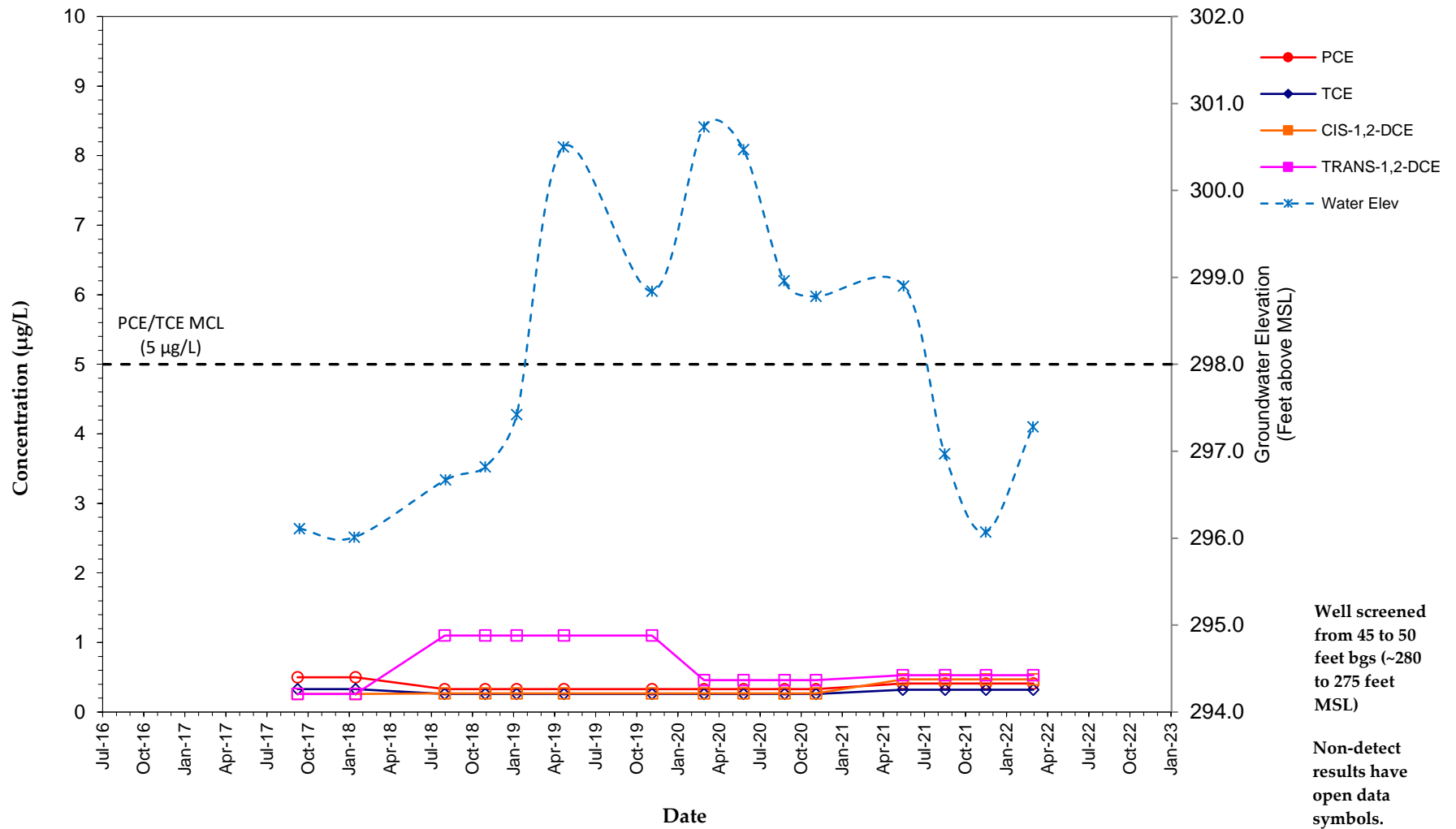
### Aramark - Sikeston, Missouri



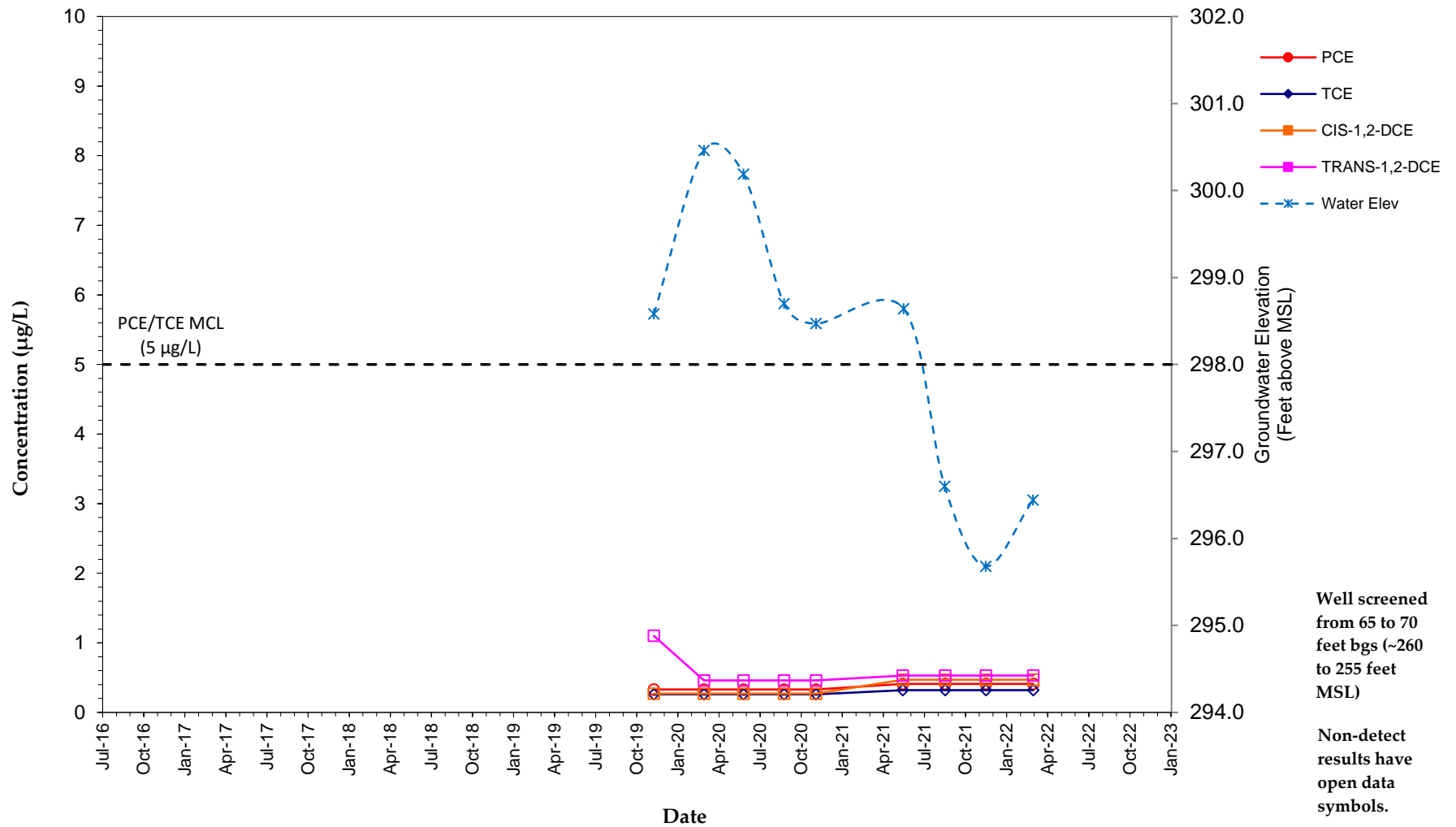
# MW-13

## VOC Concentration Trends

### Aramark - Sikeston, Missouri



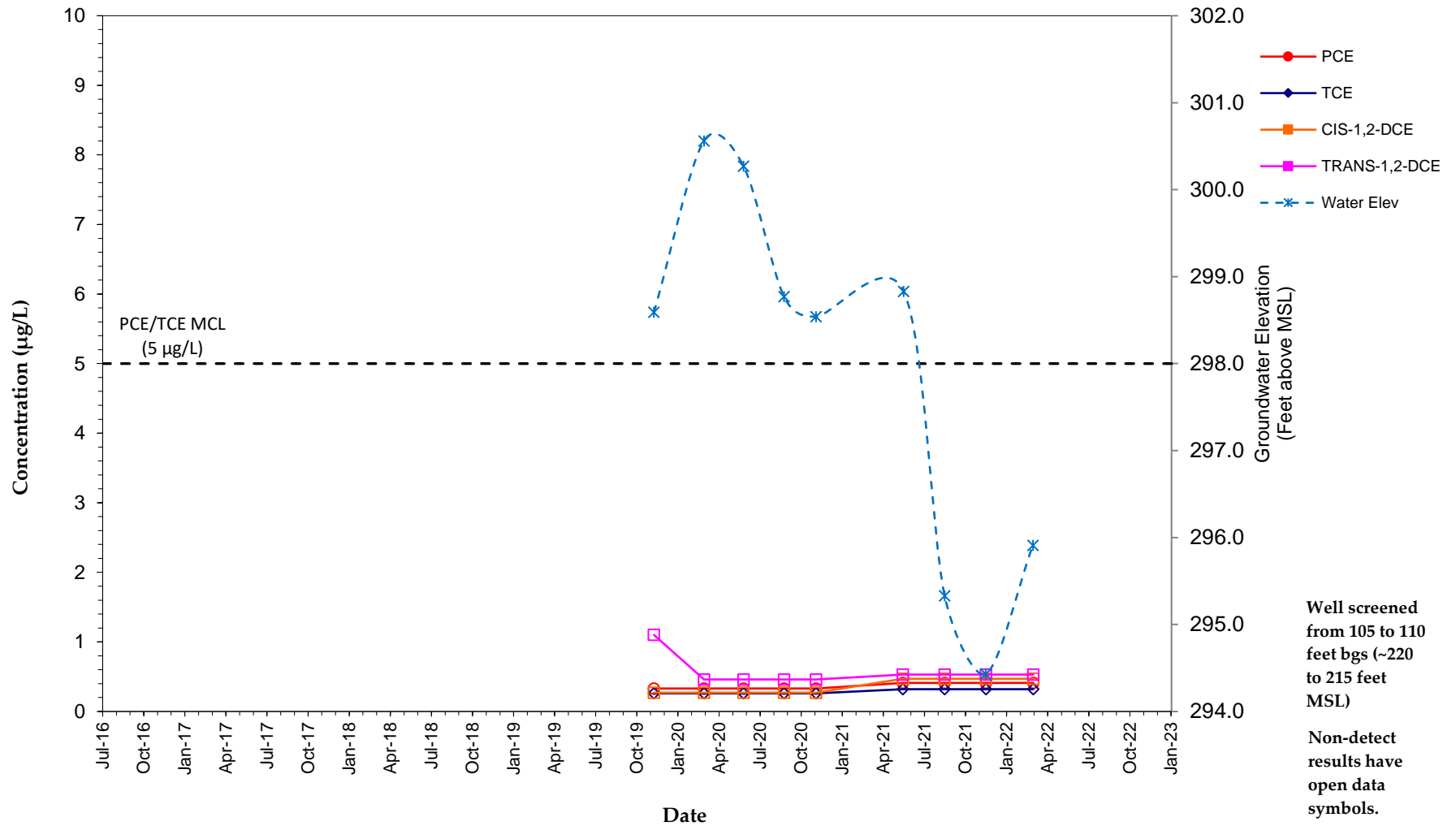
# MW-13IS VOC Concentration Trends Aramark - Sikeston, Missouri



# MW-13ID

## VOC Concentration Trends

### Aramark - Sikeston, Missouri

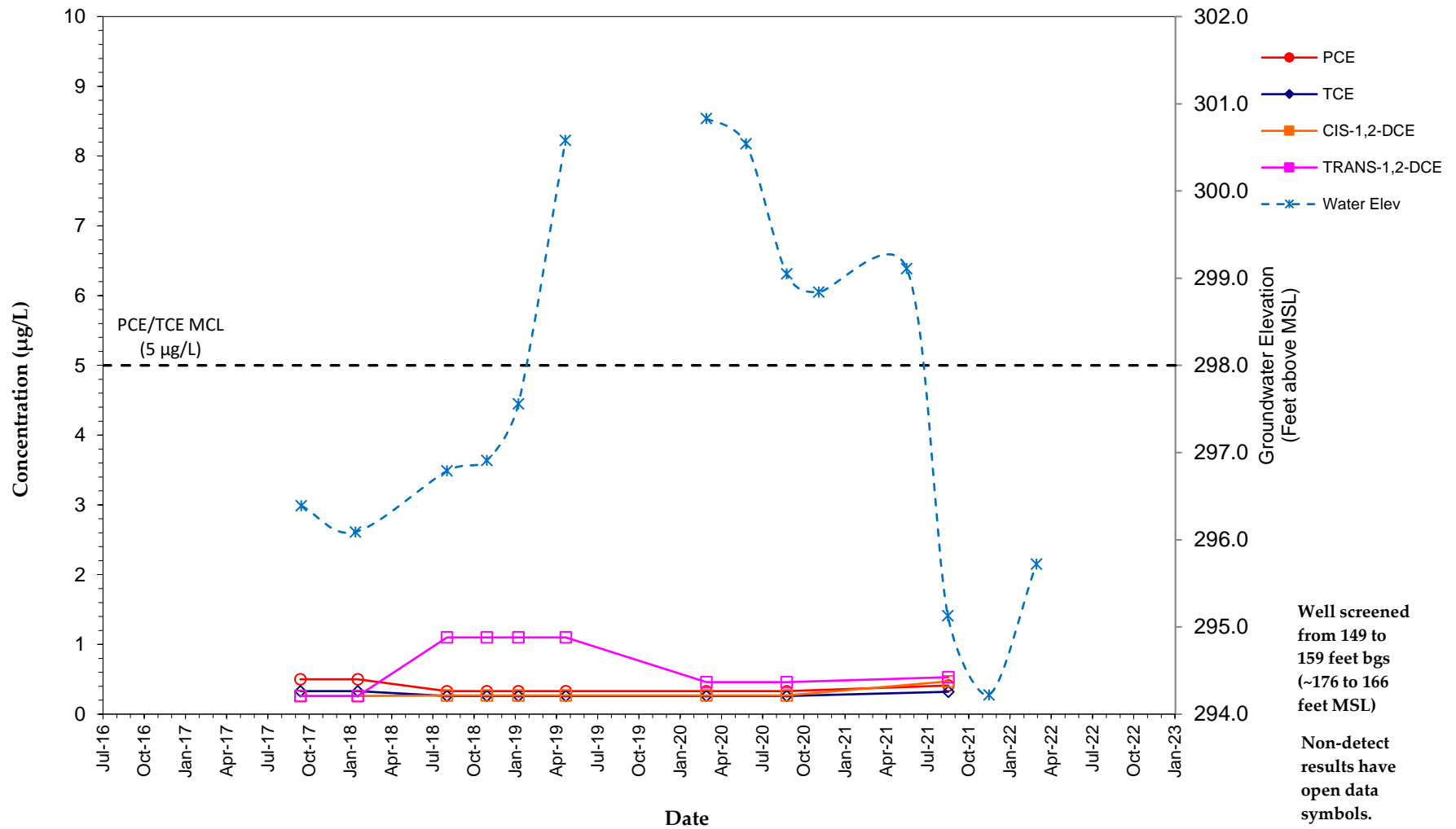




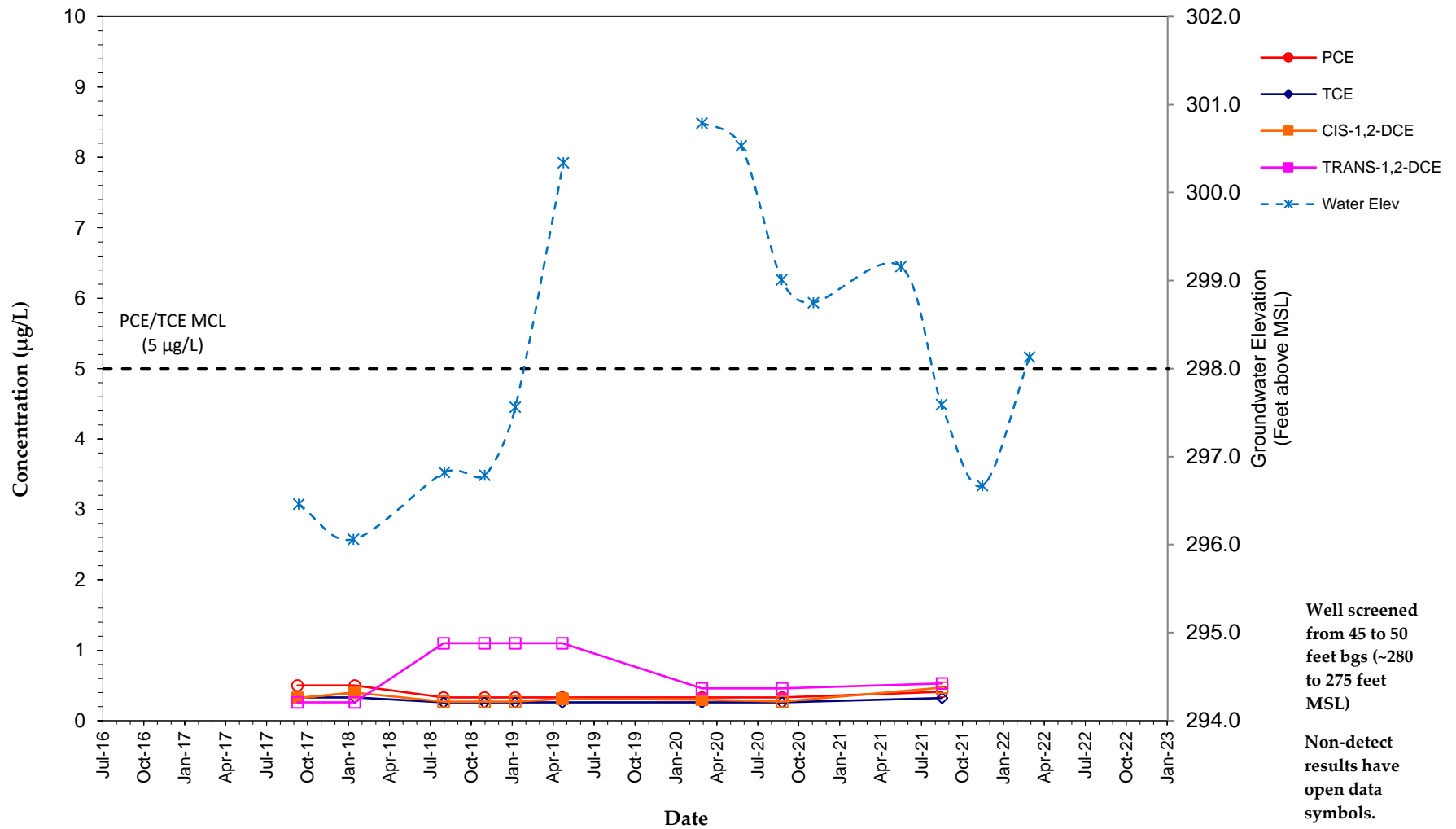
# MW-13A

## VOC Concentration Trends

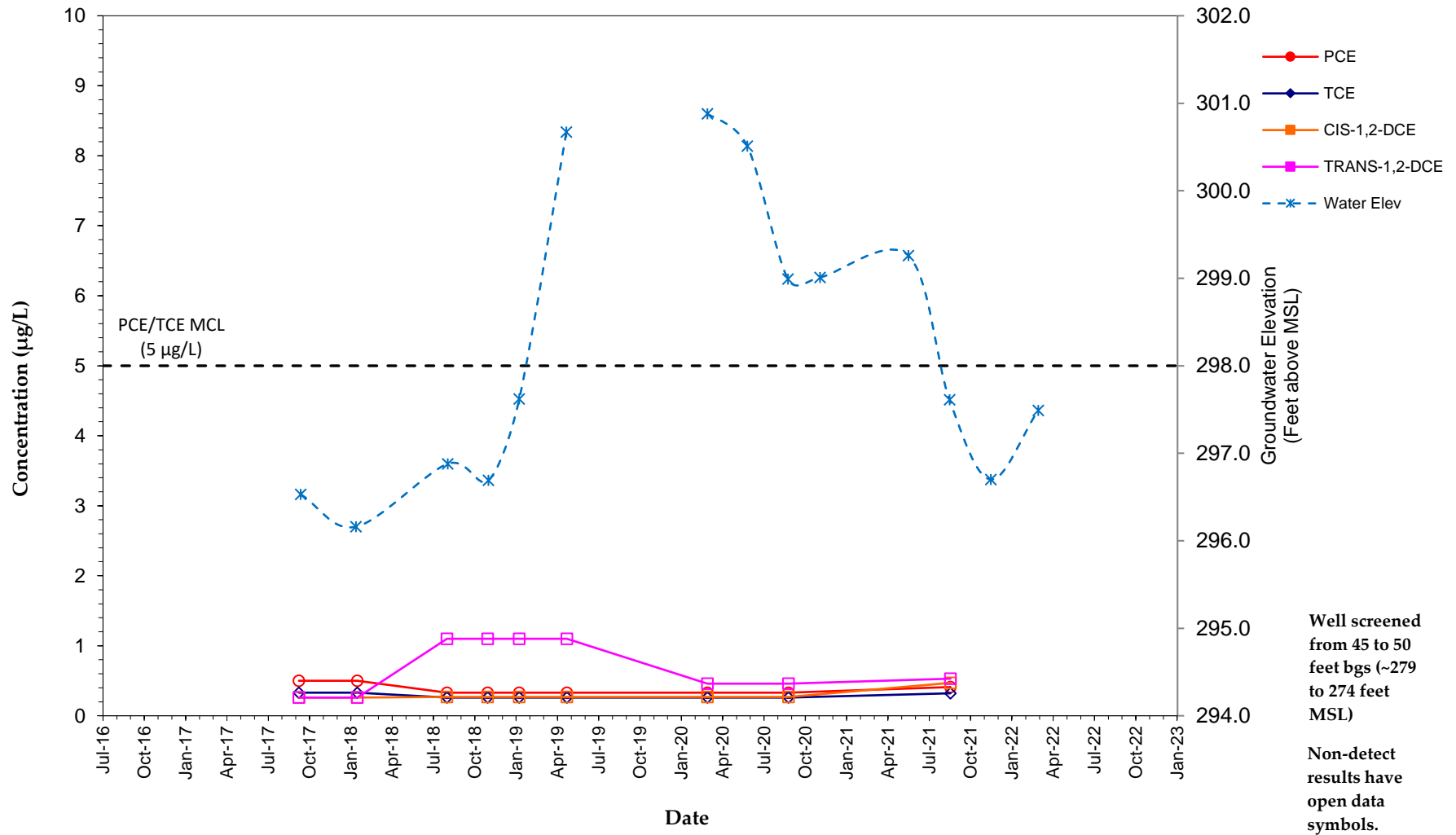
### Aramark - Sikeston, Missouri



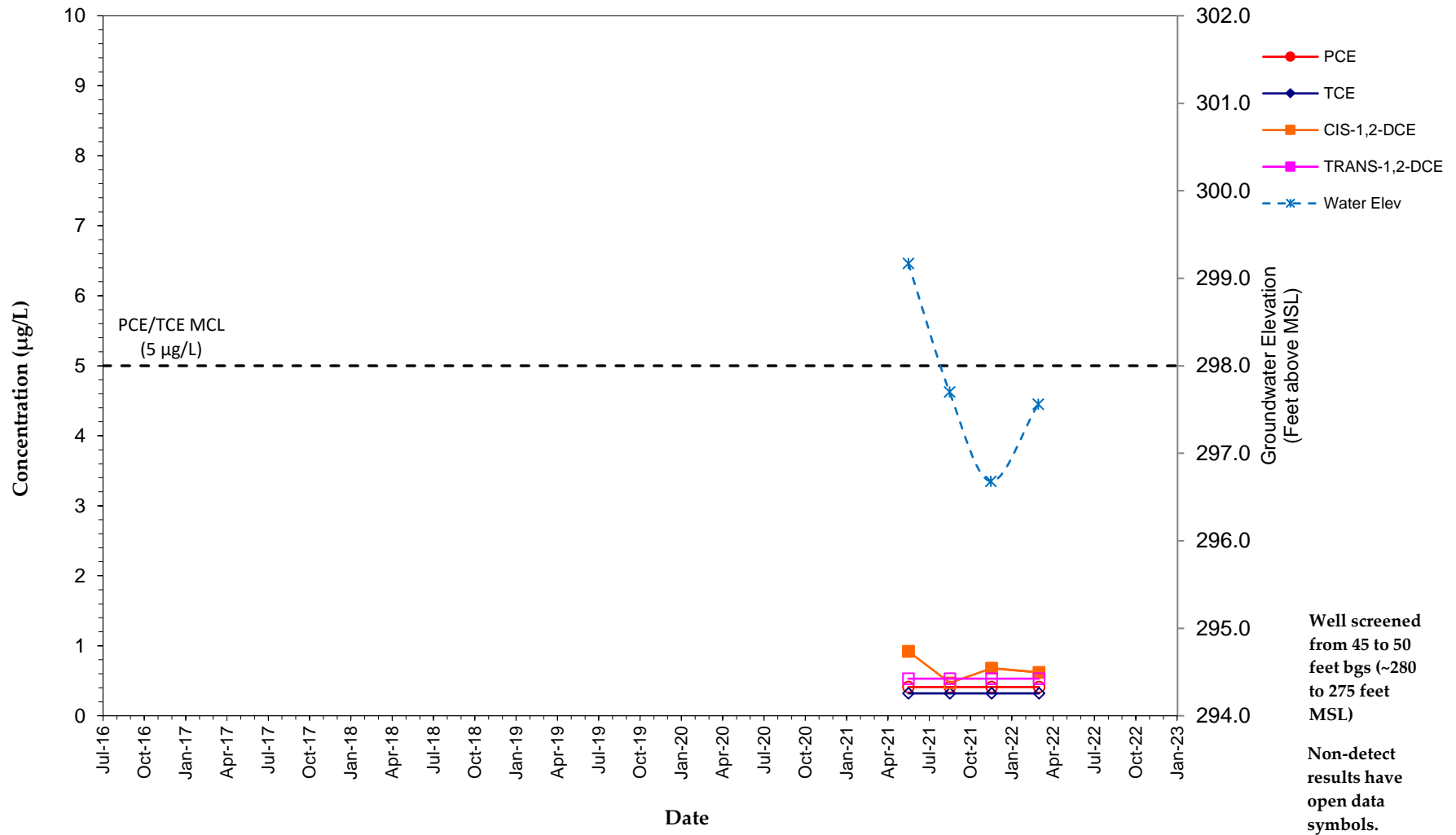
# MW-14 VOC Concentration Trends Aramark - Sikeston, Missouri



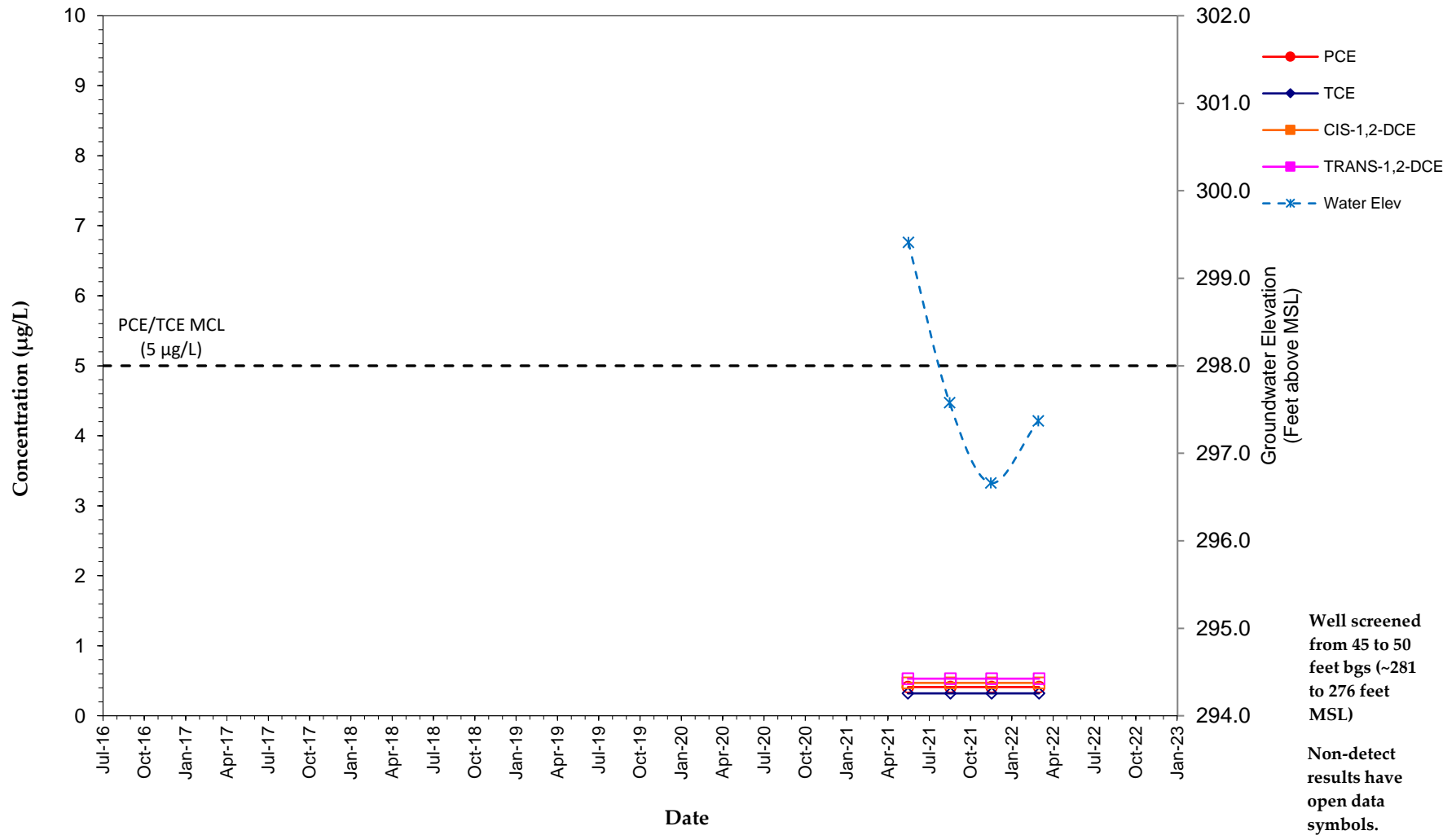
**MW-15**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



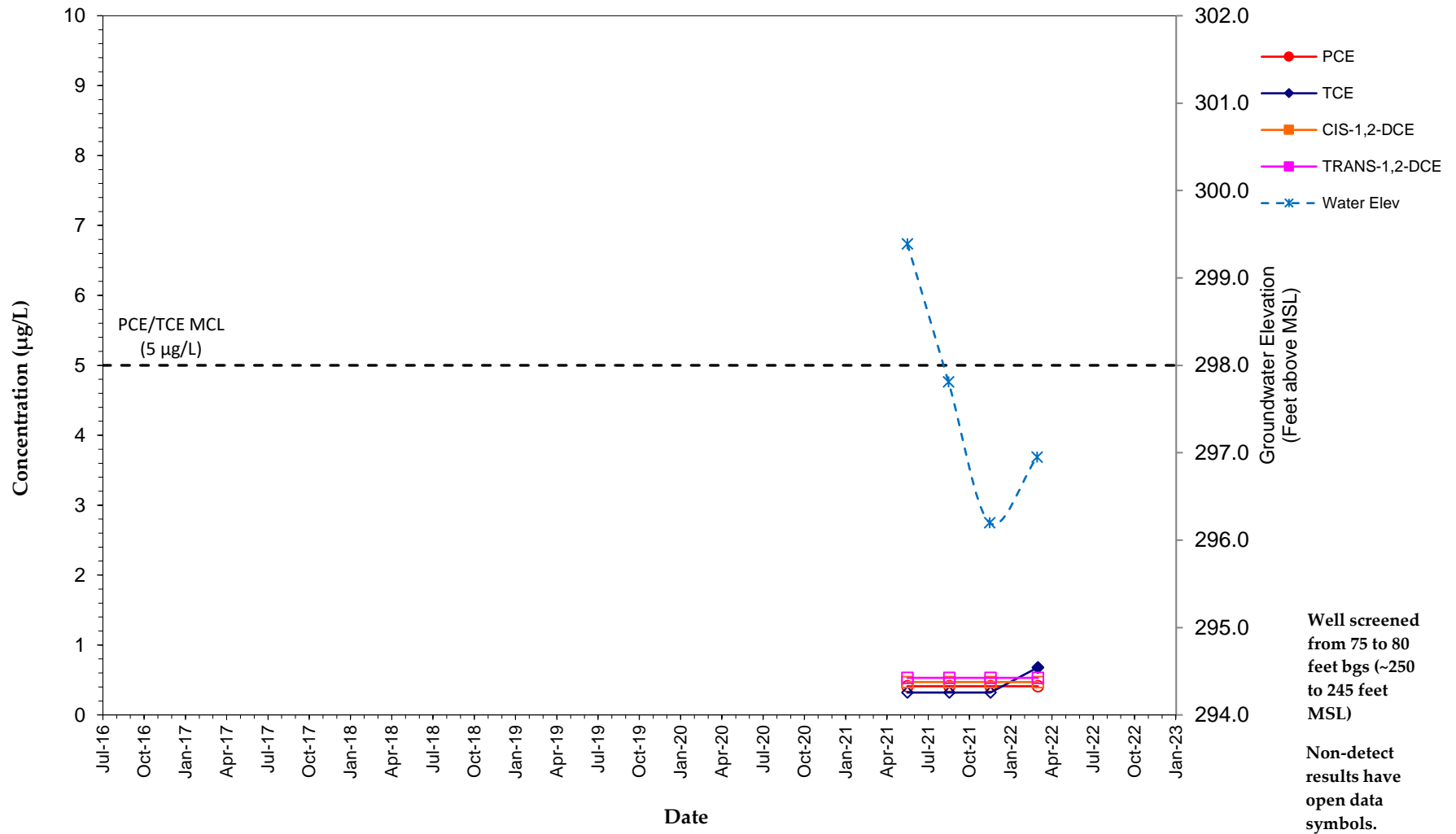
**MW-16**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



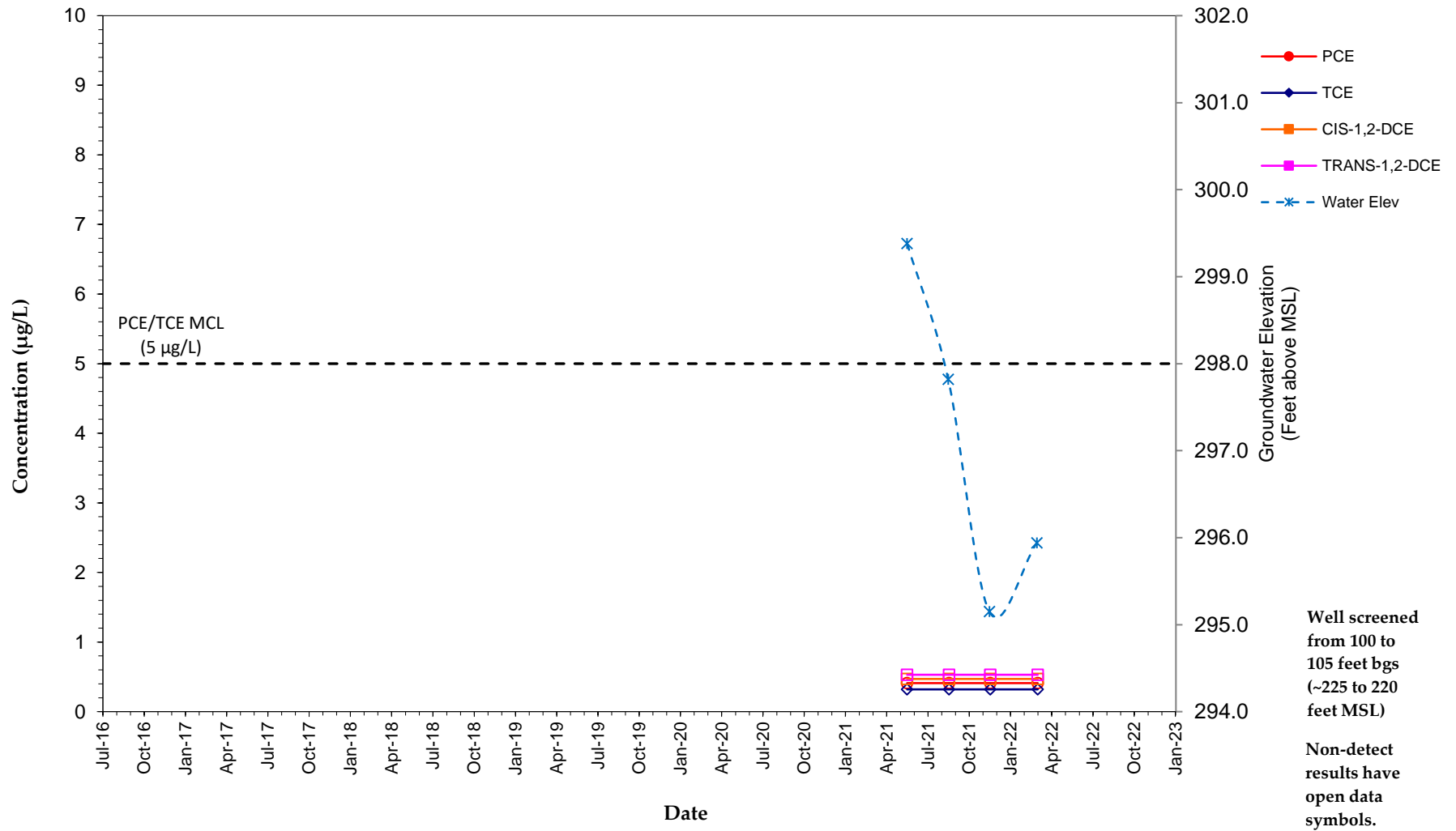
# MW-17 VOC Concentration Trends Aramark - Sikeston, Missouri



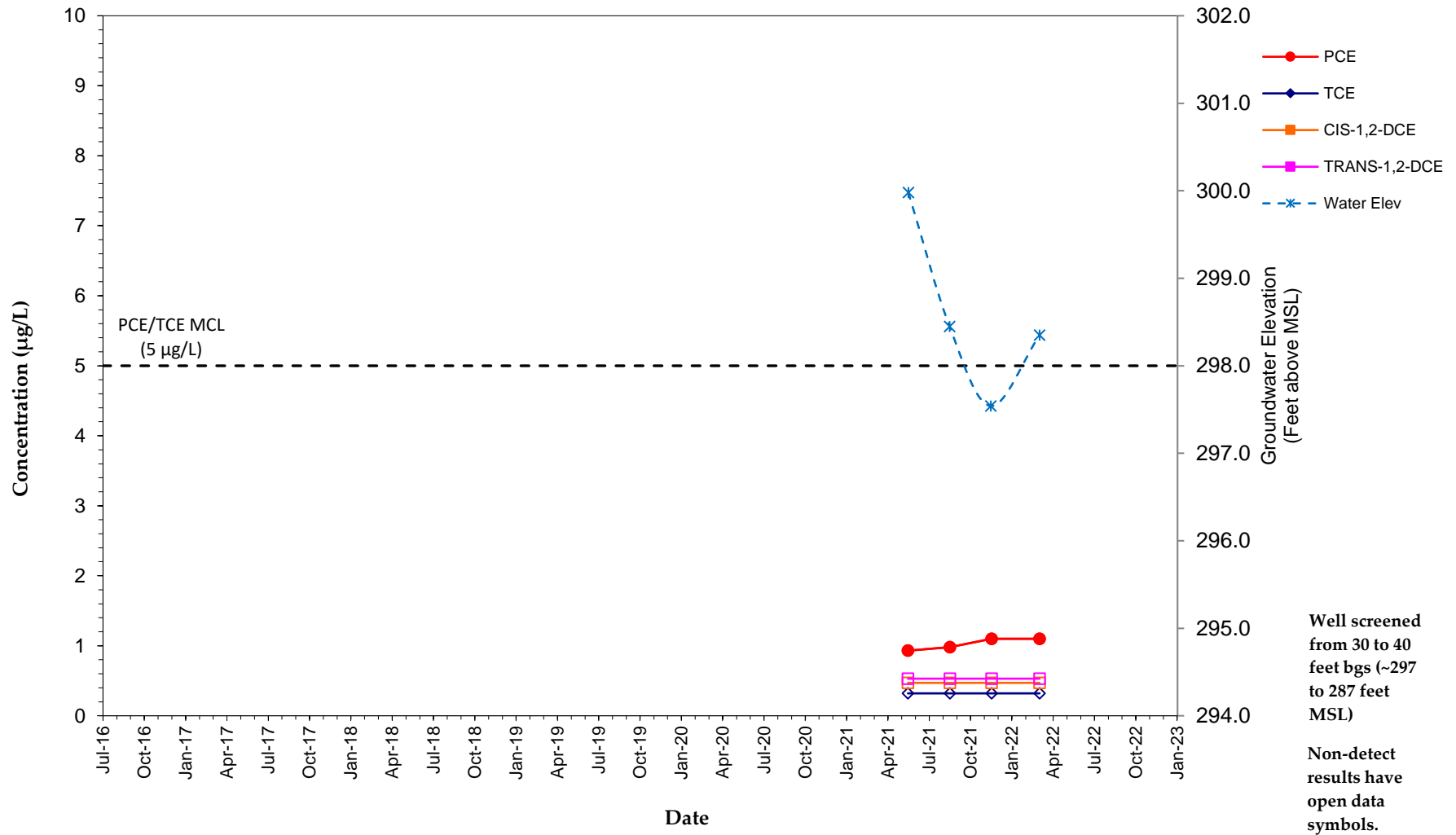
**MW-18IS**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



**MW-18ID**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**

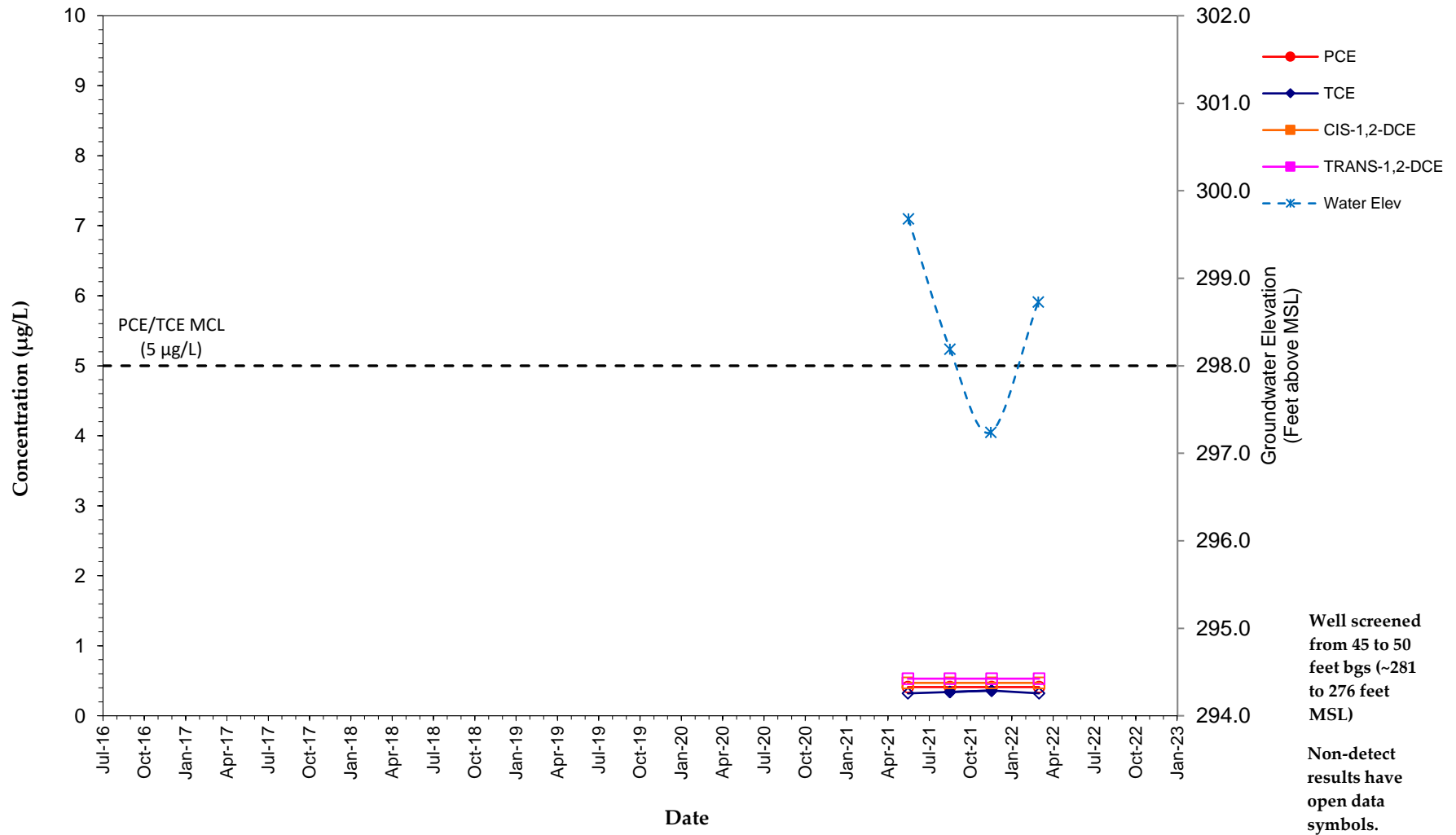


**MW-19**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**

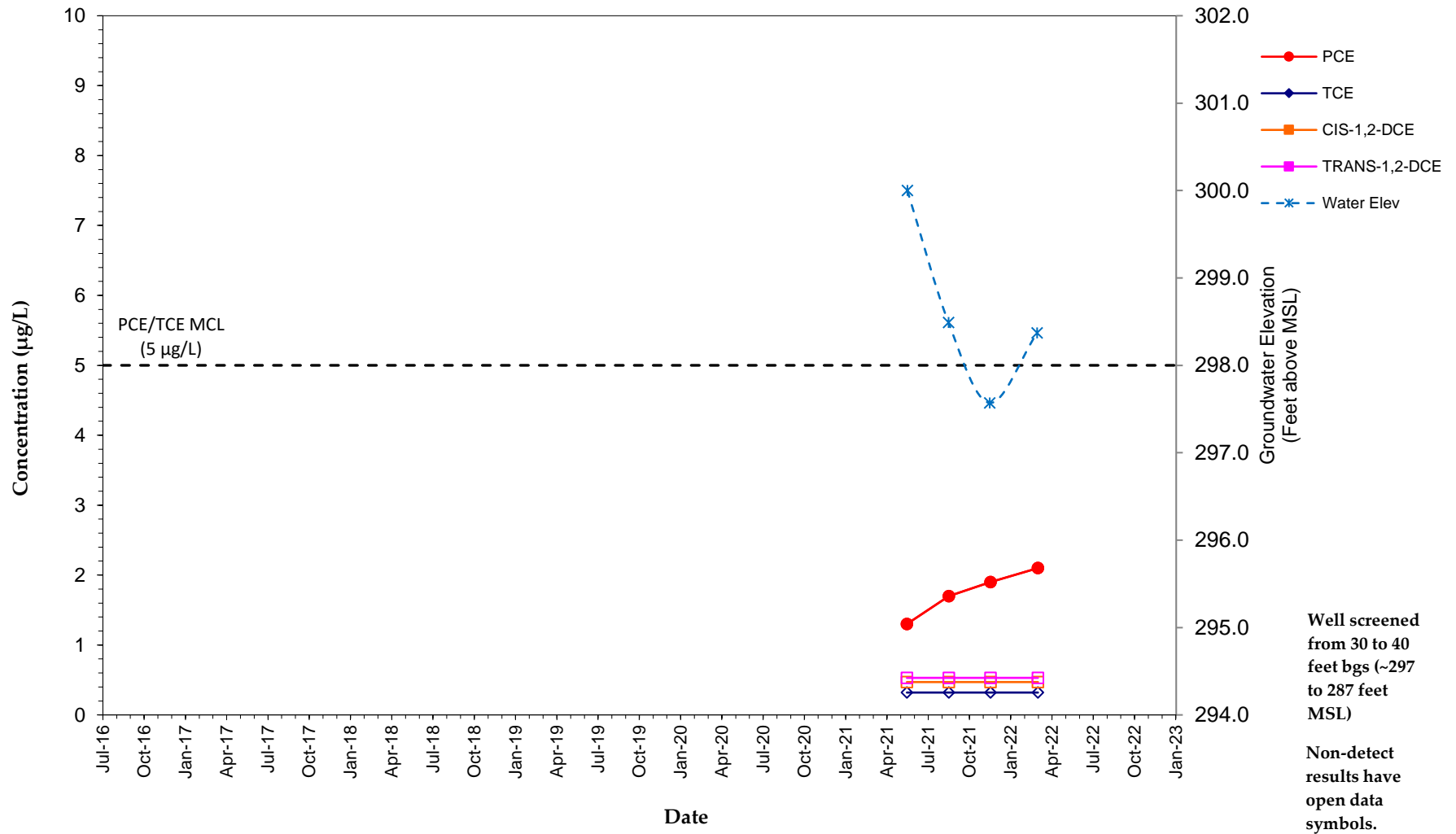




**MW-20**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



**MW-21**  
**VOC Concentration Trends**  
**Aramark - Sikeston, Missouri**



## **Appendix C: Vertical Gradient Calculations**

Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions
	Date	Time							
MW-02	11-Oct-2016	7:15	298.43	298.43	-0.01	135.13	-0.0001	UP	Unknown
MW-02A		7:04	298.44	163.30	0.05	116.08	0.0004	DOWN	
MW-03		7:18	298.28	298.28					
MW-03A		7:11	298.23	182.20					
MW-02	2-Nov-2016	10:58	297.93	297.93	0.04	134.63	0.0003	DOWN	Unknown
MW-02A		10:53	297.89	163.30	0.09	115.54	0.0008	DOWN	
MW-03		11:04	297.74	297.74					
MW-03A		10:38	297.65	182.20					
MW-02	15-Mar-2017	17:08	297.44	297.44	-0.01	134.14	-0.0001	UP	Unknown
MW-02A		17:07	297.45	163.30	0.06	115.10	0.0005	DOWN	
MW-03		17:03	297.30	297.30					
MW-03A		17:02	297.24	182.20					
MW-02	16-Mar-2017	7:38	297.47	297.47	0.01	134.17	0.0001	DOWN	Non-pumping (CW-08 off at 6:30)
MW-02A		7:37	297.46	163.30	0.09	115.13	0.0008	DOWN	
MW-03		7:32	297.33	297.33					
MW-03A		7:31	297.24	182.20					
MW-02	16-Mar-2017	14:48	297.41	297.41	-0.02	134.11	-0.0001	UP	CW-13 pumping (on at 14:20)
MW-02A		14:47	297.43	163.30	0.06	115.05	0.0005	DOWN	
MW-03		14:42	297.25	297.25					
MW-03A		14:41	297.19	182.20					
MW-02	21-Mar-2017	13:45	297.50	297.50	0.05	134.20	0.0004	DOWN	CW-13 pumping (on at 12:35)
MW-02A		13:50	297.45	163.30	0.04	115.11	0.0003	DOWN	
MW-03		13:55	297.31	297.31					
MW-03A		14:00	297.27	182.20					
MW-02	28-Mar-2017	11:50	297.46	297.46	0.00	134.16	0.0000	FLAT	CW-08 pumping (on at 10:30)
MW-02A		11:56	297.46	163.30	0.03	115.06	0.0003	DOWN	
MW-03		12:10	297.26	297.26					
MW-03A		12:18	297.23	182.20					
MW-02	10-Oct-2017	8:45	297.31	297.31	0.02	134.01	0.0001	DOWN	Non-pumping (Since 8:10)
MW-02A		8:43	297.29	163.30	0.05	114.96	0.0004	DOWN	
MW-03		8:51	297.16	297.16					
MW-03A		8:55	297.11	182.20					
MW-02	12-Oct-2017	7:39	297.31	297.31	-0.31	134.01	-0.0023	UP	CW-08 pumping (on at 7:05)
MW-02A		7:38	297.62	163.30	0.07	114.98	0.0006	DOWN	
MW-03		7:32	297.18	297.18					
MW-03A		7:31	297.11	182.20	-0.54	155.40	-0.0035	UP	
MW-06		7:21	296.78	279.90					
MW-06A		7:19	297.32	124.50	-0.73	148.90	-0.0049	UP	
MW-08		7:14	296.36	277.10					
MW-08A		7:12	297.09	128.20	-0.27	106.60	-0.0025	UP	
MW-13		7:07	296.12	277.40					
MW-13A		7:05	296.39	170.80					
MW-02	12-Oct-2017	8:49	297.31	297.31	-0.02	134.01	-0.0001	UP	CW-08 pumping (on at 8:45)
MW-02A		8:47	297.33	163.30	0.05	114.98	0.0004	DOWN	
MW-03		8:32	297.18	297.18					-0.52
MW-03A		8:31	297.13	182.20	-0.68	148.90	-0.0046	UP	
MW-06		8:05	296.80	279.90					-0.23
MW-06A		8:04	297.32	124.50	-0.23	106.60	-0.0022	UP	
MW-08		7:58	296.44	277.10					-0.23
MW-08A		7:57	297.12	128.20	-0.23	106.60	-0.0022	UP	
MW-13		7:52	296.26	277.40					-0.23
MW-13A		7:50	296.49	170.80	-0.23	106.60	-0.0022	UP	

Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions			
	Date	Time										
MW-02	12-Oct-2017	11:35	297.24	297.24	0.04	133.94	0.0003	DOWN	CW-08 pumping (on at 8:45)			
MW-02A		11:36	297.20	163.30	0.10	114.83	0.0009	DOWN				
MW-03		11:17	297.03	297.03								
MW-03A		11:14	296.93	182.20	-0.89	155.40	-0.0057	UP				
MW-06		10:55	296.31	279.90								
MW-06A		11:01	297.20	124.50	-0.78	148.90	-0.0052	UP				
MW-08		10:43	296.22	277.10								
MW-08A		10:39	297.00	128.20	-0.10	106.60	-0.0009	UP				
MW-13		10:31	296.38	277.40								
MW-13A		10:25	296.48	170.80								
MW-02	5-Feb-2018	12:11	296.47	296.47	0.01	133.17	0.0001	DOWN	Non-pumping (since 12:00)			
MW-02A		12:16	296.46	163.30	0.07	114.13	0.0006	DOWN				
MW-03		12:32	296.33	296.33								
MW-03A		12:40	296.26	182.20	-0.54	155.40	-0.0035	UP	CW-08 on at 13:30 (for 6A measurement)			
MW-06		13:26	295.94	279.90								
MW-06A		13:35	296.48	124.50	-0.83	148.90	-0.0056	UP				
MW-08		14:00	295.45	277.10								
MW-08A		14:10	296.28	128.20	2.17	106.60	0.0204	DOWN				
MW-13		14:30	295.07	277.40								
MW-13A		14:41	292.90	170.80								
MW-02	9-Feb-2018	14:11	296.56	296.56	0.05	133.26	0.0004	DOWN	CW-08 on at 13:50			
MW-02A		14:14	296.51	163.30	0.06	114.22	0.0005	DOWN				
MW-03		14:20	296.42	296.42								
MW-03A		14:23	296.36	182.20	-0.42	148.90	-0.0028	UP	CW-08 on at 13:50 (for 8A measurement)			
MW-08		13:49	295.96	277.10								
MW-08A		13:51	296.38	128.20	-0.08	106.60	-0.0008	UP				
MW-13		14:00	296.01	277.40								
MW-13A		14:03	296.09	170.80	0.00	134.47	0.0000	FLAT				
MW-02	27-Aug-2018	11:50	297.77	297.77								
MW-02A		11:56	297.77	163.30								
MW-03		12:25	297.55	297.55					0.05	115.35	0.0004	DOWN
MW-03A		12:30	297.50	182.20								
MW-06		13:18	297.01	279.90					-0.68	155.40	-0.0044	UP
MW-06A		13:27	297.69	124.50								
MW-08		13:59	296.81	277.10					-0.72	148.90	-0.0048	UP
MW-08A		14:05	297.53	128.20								
MW-13		14:30	296.86	277.40					-0.16	106.60	-0.0015	UP
MW-13A		14:35	297.02	170.80								
MW-02	31-Aug-2018	12:32	297.69	297.69	0.00	134.39	0.0000	FLAT	Non-pumping (since 12:25)			
MW-02A		12:33	297.69	163.30	0.05	115.28	0.0004	DOWN				
MW-03		12:37	297.48	297.48								
MW-03A		12:36	297.43	182.20	-0.78	155.40	-0.0050	UP				
MW-06		12:45	296.87	279.90								
MW-06A		12:46	297.65	124.50	-0.77	148.90	-0.0052	UP				
MW-08		12:48	296.67	277.10								
MW-08A		12:49	297.44	128.20	-0.12	106.60	-0.0011	UP				
MW-13		12:54	296.67	277.40								
MW-13A		12:56	296.79	170.80								

Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions
	Date	Time							
MW-02	31-Aug-2018	14:39	297.77	297.77	0.05	134.47	0.0004	DOWN	CW13 (on at 13:15)
MW-02A		14:37	297.72	163.30	-0.68	155.40	-0.0044	UP	
MW-06		14:06	296.96	279.90					
MW-06A		14:08	297.64	124.50	-1.03	148.90	-0.0069	UP	
MW-08		13:54	296.37	277.10					
MW-08A		13:55	297.40	128.20	2.48	106.60	0.0233	DOWN	
MW-13		13:43	295.97	277.40					
MW-13A		13:42	293.49	170.80					
MW-02	27-Nov-2018	10:10	297.33	297.33	-0.73	134.03	-0.0054	UP	CW08 (on at 9:45)
MW-02A		10:09	298.06	163.30	0.06	115.02	0.0005	DOWN	
MW-03		9:51	297.22	297.22					
MW-03A		9:49	297.16	182.20	-0.59	155.40	-0.0038	UP	Non-pumping (since 10:30)
MW-06		10:45	296.67	279.90					
MW-06A		10:50	297.26	124.50	-0.50	148.90	-0.0034	UP	
MW-08		11:08	296.67	277.10					
MW-08A		11:10	297.17	128.20	-0.09	106.60	-0.0008	UP	
MW-13		11:20	296.82	277.40					
MW-13A		11:23	296.91	170.80					
MW-02	29-Nov-2018	6:57	297.33	297.33	-0.55	134.03	-0.0041	UP	Non-pumping (since 00:00)
MW-02A		6:55	297.88	163.30	0.07	115.02	0.0006	DOWN	Non-pumping (since 16:15)
MW-03		17:00	297.22	297.22					
MW-03A		17:14	297.15	182.20	-0.37	155.40	-0.0024	UP	CW08 (on at 13:25)
MW-06		13:59	296.97	279.90					
MW-06A		13:47	297.34	124.50	-0.73	148.90	-0.0049	UP	CW08 (on at 10:50)
MW-08		11:26	296.45	277.10					
MW-08A		11:15	297.18	128.20					
MW-02	5-Feb-2019	9:18	297.93	297.93	0.00	134.63	0.0000	FLAT	Non-pumping (since 8:30)
MW-02A		9:20	297.93	163.30	0.11	115.65	0.0010	DOWN	
MW-03		9:10	297.85	297.85					
MW-03A		9:12	297.74	182.20	-0.39	155.40	-0.0025	UP	
MW-06		9:36	297.62	279.90					
MW-06A		9:38	298.01	124.50	-0.43	148.90	-0.0029	UP	
MW-08		9:43	297.43	277.10					
MW-08A		9:45	297.86	128.20	-0.14	106.60	-0.0013	UP	
MW-13		9:55	297.42	277.40					
MW-13A		9:57	297.56	170.80					
MW-02	20-May-2019	15:09	301.07	301.07	0.01	137.77	0.0001	DOWN	Non-pumping (since 14:35)
MW-02A		15:08	301.06	163.30	0.07	118.74	0.0006	DOWN	
MW-03		14:59	300.94	300.94					
MW-03A		14:58	300.87	182.20	-0.43	155.40	-0.0028	UP	
MW-06		15:34	300.66	279.90					
MW-06A		15:32	301.09	124.50	-0.44	148.90	-0.0030	UP	
MW-08		15:24	300.45	277.10					
MW-08A		15:27	300.89	128.20	-0.08	106.60	-0.0008	UP	
MW-13		15:19	300.50	277.40					
MW-13A		15:18	300.58	170.80					

Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions
	Date	Time							
MW-02	21-May-2019	16:39	301.05	301.05	0.02	137.75	0.0001	DOWN	CW13 (on at 16:35)
MW-02A		16:38	301.03	163.30	0.09	118.71	0.0008	DOWN	
MW-03		16:43	300.91	300.91					
MW-03A		16:42	300.82	182.20	-0.53	155.40	-0.0034	UP	
MW-06		17:46	300.52	279.90					
MW-06A		17:45	301.05	124.50	-0.86	148.90	-0.0058	UP	
MW-08		18:01	299.98	277.10					
MW-08A		17:59	300.84	128.20	2.51	106.60	0.0235	DOWN	
MW-13		17:54	299.60	277.40					
MW-13A		17:53	297.09	170.80					
MW-02	23-May-2019	12:16	301.02	301.02	0.00	137.72	0.0000	FLAT	CW08 (on at 11:20)
MW-02A		12:17	301.02	163.30	0.12	118.66	0.0010	DOWN	
MW-03		12:09	300.86	300.86					
MW-03A		12:08	300.74	182.20	-0.74	155.40	-0.0048	UP	
MW-06		11:40	300.21	279.90					
MW-06A		11:33	300.95	124.50	-0.68	148.90	-0.0046	UP	
MW-08		11:51	300.11	277.10					
MW-08A		11:50	300.79	128.20	-0.05	106.60	-0.0005	UP	
MW-13		11:57	300.31	277.40					
MW-13A		11:56	300.36	170.80					
MW-02	27-Mar-2020	8:18	301.17	301.17	0.00	137.87	0.0000	FLAT	Non-Pumping (CW-08 and CW-13 were observed "not pumping" while collecting WLs at adjacent monitoring wells)
MW-02A		8:19	301.17	163.30	0.07	118.87	0.0006	DOWN	
MW-03		8:24	301.07	301.07					
MW-03A		8:26	301.00	182.20	-0.44	155.40	-0.0028	UP	
MW-06		8:39	300.84	279.90					
MW-06A		8:41	301.28	124.50	-0.39	148.90	-0.0026	UP	
MW-08		8:49	300.68	277.10					
MW-08A		8:48	301.07	128.20	0.27	20.30	0.0133	DOWN	
MW-13		8:52	300.73	277.40					
MW-13IS		8:54	300.46	257.10	-0.10	39.90	-0.0025	UP	
MW-13IS		8:54	300.46	257.10					
MW-13ID		8:53	300.56	217.20	-0.27	46.40	-0.0058	UP	
MW-13ID		8:53	300.56	217.20					
MW-13A		8:55	300.83	170.80					
MW-03	28-Mar-2020	9:12	301.05	301.05	0.13	118.85	0.0011	DOWN	Unknown
MW-03A		9:00	300.92	182.20					
MW-02	23-Jun-2020	11:22	301.33	301.33	0.04	138.03	0.0003	DOWN	Unknown
MW-02A		11:20	301.29	163.30	0.11	118.93	0.0009	DOWN	
MW-03		11:10	301.13	301.13					
MW-03A		11:08	301.02	182.20	-0.86	155.40	-0.0055	UP	
MW-06		10:52	300.41	279.90					
MW-06A		10:50	301.27	124.50	-0.76	148.90	-0.0051	UP	
MW-08		10:42	300.30	277.10					
MW-08A		10:40	301.06	128.20	0.28	20.30	0.0138	DOWN	
MW-13		10:22	300.47	277.40					
MW-13IS		10:26	300.19	257.10	-0.08	39.90	-0.0020	UP	
MW-13IS		10:26	300.19	257.10					
MW-13ID		10:24	300.27	217.20	-0.27	46.40	-0.0058	UP	
MW-13ID		10:24	300.27	217.20					
MW-13A		10:20	300.54	170.80					

Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions										
	Date	Time																	
MW-02	21-Sep-2020	11:51	299.83	299.83	0.04	136.53	0.0003	DOWN	Unknown										
MW-02A		11:52	299.79	163.30	0.15	117.48	0.0013	DOWN											
MW-03		11:45	299.68	299.68															
MW-03A		11:42	299.53	182.20															
MW-06		12:19	298.90	279.90	-0.83	155.40	-0.0053	UP		Unknown									
MW-06A		12:17	299.73	124.50	-0.69	148.90	-0.0046	UP											
MW-08		12:27	298.77	277.10															
MW-08A		12:30	299.46	128.20															
MW-13		12:38	298.96	277.40	0.26	20.30	0.0128	DOWN			Unknown								
MW-13IS		12:35	298.70	257.10	-0.07	39.90	-0.0018	UP											
MW-13IS		12:35	298.70	257.10															
MW-13ID		12:37	298.77	217.20															
MW-13ID		12:37	298.77	217.20	-0.28	46.40	-0.0060	UP		Unknown									
MW-13A		12:40	299.05	170.80	1-Dec-2020	8:47	299.50	299.50				0.01	136.20	0.0001	DOWN	Unknown			
MW-02A	8:49	299.49	163.30	0.06		117.13	0.0005	DOWN											
MW-03	9:01	299.33	299.33																
MW-03A	9:00	299.27	182.20																
MW-06	9:27	299.04	279.90	-0.46		155.40	-0.0030	UP	Unknown										
MW-06A	9:25	299.50	124.50	0.54		148.90	0.0036	DOWN											
MW-08	10:01	299.82	277.10																
MW-08A	10:03	299.28	128.20																
MW-13	10:22	298.78	277.40	0.31		20.30	0.0153	DOWN		Unknown									
MW-13IS	10:21	298.47	257.10	-0.07		39.90	-0.0018	UP											
MW-13IS	10:21	298.47	257.10																
MW-13ID	10:23	298.54	217.20																
MW-13ID	10:23	298.54	217.20	-0.30		46.40	-0.0065	UP	14-Jun-2021		9:31	299.92	299.92	0.01	136.62		0.0001	DOWN	Non-pumping
MW-02A	9:30	299.91	163.30	0.01		54.98	0.0002	DOWN											
MW-03	9:15	299.78	299.78																
MW-03IS	9:11	299.77	244.80																
MW-03IS	9:11	299.77	244.80	0.07	21.10	0.0033	DOWN	Non-pumping											
MW-03ID	9:09	299.70	223.70	-0.04	41.50	-0.0010	UP												
MW-03ID	9:09	299.70	223.70																
MW-03A	9:11	299.74	182.20																
MW-06	8:56	299.41	279.90	-0.01	29.80	-0.0003	UP			Non-pumping									
MW-06IS	8:54	299.42	250.10	-0.46	125.60	-0.0037	UP												
MW-06IS	8:54	299.42	250.10																
MW-06A	8:52	299.88	124.50																
MW-08	8:39	299.08	277.10	0.15	22.20	0.0068	DOWN	Non-pumping											
MW-08IS	8:38	298.93	254.90	-0.07	32.90	-0.0021	UP												
MW-08IS	8:38	298.93	254.90																
MW-08ID	8:37	299.00	222.00																
MW-08ID	8:37	299.00	222.00	-0.70	93.80	-0.0075	UP		Non-pumping										
MW-08A	8:36	299.70	128.20	0.26	20.30	0.0128	DOWN												
MW-13	8:31	298.90	277.40																
MW-13IS	8:30	298.64	257.10																
MW-13IS	8:30	298.64	257.10	-0.19	39.90	-0.0048	UP		Non-pumping										
MW-13ID	8:29	298.83	217.20	-0.28	46.40	-0.0060	UP												
MW-13ID	8:29	298.83	217.20																
MW-13A	8:28	299.11	170.80																
MW-18IS	8:48	299.39	247.90	0.01	25.20	0.0004	DOWN			Non-pumping									
MW-18ID	8:47	299.38	222.70																



Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions
	Date	Time							
MW-06	14-Jun-2021	12:42	299.01	279.90	0.10	29.80	0.0034	DOWN	CW-08 pumping
MW-06IS		12:44	298.91	250.10	-0.88	125.60	-0.0070	UP	
MW-06IS		12:44	298.91	250.10					
MW-06A		12:41	299.79	124.50	1.06	25.20	0.0421	DOWN	
MW-18IS		12:37	298.41	247.90					
MW-18ID		12:37	297.35	222.70					
MW-02	13-Sep-2021	13:35	298.42	298.42	0.06	135.12	0.0004	DOWN	CW-13 pumping (at least part time)
MW-02A		13:38	298.36	163.30	0.00	53.52	0.0000	FLAT	
MW-03		13:59	298.32	298.32					
MW-03IS		14:02	298.32	244.80	0.05	41.50	0.0012	DOWN	
MW-03IS		14:02	298.32	244.80					
MW-03ID		13:52	298.29	223.70	-0.58	125.60	-0.0046	UP	
MW-03ID		13:52	298.29	223.70					
MW-03A		13:56	298.24	182.20	0.07	32.90	0.0021	DOWN	
MW-06		14:34	297.86	279.90					
MW-06IS		14:24	297.84	250.10	0.37	20.30	0.0182	DOWN	
MW-06IS		14:24	297.84	250.10					
MW-06A		14:28	298.42	124.50	0.20	46.40	0.0043	DOWN	
MW-08		13:41	297.41	277.10					
MW-08IS		13:44	297.18	254.90	0.02	134.17	0.0001	DOWN	
MW-08IS		13:44	297.18	254.90					
MW-08ID		13:45	297.11	222.00	-0.01	21.10	-0.0005	UP	
MW-08ID		13:45	297.11	222.00					
MW-08A		13:51	298.22	128.20	0.10	29.80	0.0034	DOWN	
MW-13		14:51	296.97	277.40					
MW-13IS		14:54	296.60	257.10	0.32	22.20	0.0144	DOWN	
MW-13IS		14:54	296.60	257.10					
MW-13ID		14:56	295.33	217.20	-1.23	93.80	-0.0131	UP	
MW-13ID		14:56	295.33	217.20					
MW-13A		14:59	295.13	170.80	1.25	39.90	0.0313	DOWN	
MW-18IS		14:13	297.81	247.90					
MW-18ID		14:15	297.82	222.70	1.05	25.20	0.0417	DOWN	
MW-02	13-Dec-2021	16:04	297.47	297.47					0.02
MW-02A		16:06	297.45	163.30	0.04	52.54	0.0008	DOWN	
MW-03		15:53	297.34	297.34					-0.01
MW-03IS		15:54	297.30	244.80	0.08	41.50	0.0019	DOWN	
MW-03IS		15:54	297.30	244.80					0.10
MW-03ID		15:55	297.31	223.70	-0.86	125.60	-0.0068	UP	
MW-03ID		15:55	297.31	223.70					0.32
MW-03A		15:56	297.23	182.20	0.05	32.90	0.0015	DOWN	
MW-06		15:16	296.73	279.90					-1.23
MW-06IS		15:19	296.63	250.10	0.39	20.30	0.0192	DOWN	
MW-06IS		15:19	296.63	250.10					1.25
MW-06A		15:22	297.49	124.50	0.21	46.40	0.0045	DOWN	
MW-08		14:59	296.54	277.10					1.05
MW-08IS		14:50	296.22	254.90	1.25	39.90	0.0313	DOWN	
MW-08IS		14:50	296.22	254.90					0.21
MW-08ID		14:53	296.17	222.00	1.05	25.20	0.0417	DOWN	
MW-08ID		14:53	296.17	222.00					1.25
MW-08A		14:56	297.40	128.20	0.21	46.40	0.0045	DOWN	
MW-13		14:41	296.07	277.40					1.05
MW-13IS		14:38	295.68	257.10	1.25	39.90	0.0313	DOWN	
MW-13IS		14:38	295.68	257.10					0.21
MW-13ID		14:44	294.43	217.20	1.05	25.20	0.0417	DOWN	
MW-13ID		14:44	294.43	217.20					1.25
MW-13A		14:47	294.22	170.80	1.05	25.20	0.0417	DOWN	
MW-18IS		15:10	296.20	247.90					1.25
MW-18ID		15:13	295.15	222.70	1.05	25.20	0.0417	DOWN	

Appendix C: Vertical Hydraulic Gradients  
Aramark Uniform - Sikeston, Missouri

Well ID	Measurement		Water Elevation (ft, MSL)	Measurement Point Elevation (ft, MSL)	Delta h (ft)	Delta L (ft)	Vertical Gradient (i)	Direction of Gradient	Pumping Conditions
	Date	Time							
MW-02	28-Mar-2022	16:35	298.25	298.25	-0.74	134.95	-0.0055	UP	Non-pumping
MW-02A		16:37	298.99	163.30					
MW-03		12:38	298.14	298.14	-0.70	53.34	N/A	N/A	Gradients not calculated due to span of time between measurements at nested wells.
MW-03IS		16:51	298.84	244.80					
MW-03IS		16:51	298.84	244.80	0.68	21.10	N/A	N/A	
MW-03ID		12:32	298.16	223.70					
MW-03ID		12:32	298.16	223.70	0.07	41.50	N/A	N/A	
MW-03A		16:52	298.09	182.20					
MW-06		15:54	298.23	279.90	0.12	29.80	0.0040	DOWN	CW-08 Pumping
MW-06IS		15:56	298.11	250.10					
MW-06IS		15:56	298.11	250.10	-0.86	125.60	-0.0068	UP	
MW-06A		15:53	298.97	124.50					
MW-08		15:20	297.95	277.10	0.22	22.20	0.0099	DOWN	Non-pumping
MW-08IS		15:24	297.73	254.90					
MW-08IS		15:24	297.73	254.90	0.07	32.90	0.0021	DOWN	
MW-08ID		15:26	297.66	222.00					
MW-08ID		15:26	297.66	222.00	-0.19	93.80	-0.0020	UP	
MW-08A		15:28	297.85	128.20					
MW-13		15:08	297.28	277.40	0.84	20.30	0.0414	DOWN	CW-13 Pumping
MW-13IS		15:06	296.44	257.10					
MW-13IS		15:06	296.44	257.10	0.53	39.90	0.0133	DOWN	
MW-13ID		15:10	295.91	217.20					
MW-13ID		15:10	295.91	217.20	0.19	46.40	0.0041	DOWN	
MW-13A		15:12	295.72	170.80					
MW-18IS		15:46	296.95	247.90	1.01	25.20	0.0401	DOWN	CW-8 Pumping
MW-18ID		15:48	295.94	222.70					

Notes:

Only water levels from synoptic water level measurement events or where collected from a well nest (or nests) over a short time period are included in this table.

Vertical gradients were not calculated for well nests where one of the measurements was determined to be in error (MW-06 on 2/2/2018; MW-03 on 8/31/2018).

Vertical Gradient (i) = Delta h / Delta L; positive values indicate a downward hydraulic gradient.

Measurement point elevation for head measurements (h) is the water table for wells screened across the water table, and the midpoint of the screened interval for piezometers.

Water levels collected at wells MW-02 and MW-03 are slightly above the well screens; for the purposes of this table they are considered equivalent to the water table elevation.

Delta h = the distance between head measurements.

Delta L = the distance between reference points.

## **Appendix D: March 2022 Field Sample Logs, Data Validation Report, and Laboratory Data Sheets**

April 15, 2022

Marshal Tofte  
TRC  
708 Heartland Trail  
Suite 3000  
Madison, WI 53717

RE: Project: 255308 SIKESTON ARAMARK  
Pace Project No.: 40242796

Dear Marshal Tofte:

Enclosed are the analytical results for sample(s) received by the laboratory on April 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

Report revised to include Total Xylenes in sample -013.

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

Sincerely,



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

Enclosures

cc: Wes Braga, TRC  
Peggy Popp, TRC - Madison  
John Tweddale, TRC Madison  
Meredith Westover, TRC Environmental



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## CERTIFICATIONS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40242796001	MW-01	Water	03/30/22 15:50	04/02/22 11:05
40242796002	MW-03	Water	03/31/22 09:35	04/02/22 11:05
40242796003	MW-03IS	Water	03/31/22 10:25	04/02/22 11:05
40242796004	MW-03IDR	Water	03/31/22 11:35	04/02/22 11:05
40242796005	MW-06	Water	03/30/22 11:10	04/02/22 11:05
40242796006	MW-06IS	Water	03/30/22 10:40	04/02/22 11:05
40242796007	MW-07	Water	03/30/22 09:40	04/02/22 11:05
40242796008	MW-08	Water	03/29/22 18:25	04/02/22 11:05
40242796009	MW-08ID	Water	03/29/22 19:50	04/02/22 11:05
40242796010	MW-08IS	Water	03/29/22 19:10	04/02/22 11:05
40242796011	MW-09	Water	03/30/22 16:45	04/02/22 11:05
40242796012	MW-11	Water	03/30/22 14:05	04/02/22 11:05
40242796013	MW-13	Water	03/29/22 17:13	04/02/22 11:05
40242796014	MW-13ID	Water	03/29/22 12:07	04/02/22 11:05
40242796015	MW-13IS	Water	03/29/22 18:20	04/02/22 11:05
40242796016	MW-16	Water	03/30/22 12:05	04/02/22 11:05
40242796017	MW-17	Water	03/30/22 07:20	04/02/22 11:05
40242796018	MW-18ID	Water	03/30/22 08:07	04/02/22 11:05
40242796019	MW-18IS	Water	03/30/22 08:45	04/02/22 11:05
40242796020	MW-19	Water	03/31/22 12:35	04/02/22 11:05
40242796021	MW-20	Water	03/30/22 12:50	04/02/22 11:05
40242796022	MW-21	Water	03/30/22 14:55	04/02/22 11:05
40242796023	FB-01	Water	03/28/22 18:05	04/02/22 11:05
40242796024	FB-02	Water	03/30/22 17:00	04/02/22 11:05
40242796025	FB-03	Water	03/31/22 10:00	04/02/22 11:05
40242796026	DUP-01	Water	03/31/22 00:00	04/02/22 11:05
40242796027	DUP-02	Water	03/31/22 00:00	04/02/22 11:05
40242796028	DUP-03	Water	03/31/22 00:00	04/02/22 11:05
40242796029	TRIP BLANK	Water	03/31/22 00:00	04/02/22 11:05

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## SAMPLE ANALYTE COUNT

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40242796001	MW-01	EPA 8260	SMT	42
40242796002	MW-03	EPA 8260	SMT	42
40242796003	MW-03IS	EPA 8260	SMT	42
40242796004	MW-03IDR	EPA 8260	SMT	42
40242796005	MW-06	EPA 8260	SMT	42
40242796006	MW-06IS	EPA 8260	SMT	42
40242796007	MW-07	EPA 8260	SMT	42
40242796008	MW-08	EPA 8260	SMT	42
40242796009	MW-08ID	EPA 8260	SMT	42
40242796010	MW-08IS	EPA 8260	SMT	42
40242796011	MW-09	EPA 8260	SMT	42
40242796012	MW-11	EPA 8260	SMT	42
40242796013	MW-13	EPA 8260	SMT	42
40242796014	MW-13ID	EPA 8260	SMT	42
40242796015	MW-13IS	EPA 8260	SMT	42
40242796016	MW-16	EPA 8260	SMT	42
40242796017	MW-17	EPA 8260	SMT	42
40242796018	MW-18ID	EPA 8260	SMT	42
40242796019	MW-18IS	EPA 8260	SMT	42
40242796020	MW-19	EPA 8260	SMT	42
40242796021	MW-20	EPA 8260	SMT	42
40242796022	MW-21	EPA 8260	SMT	42
40242796023	FB-01	EPA 8260	SMT	42
40242796024	FB-02	EPA 8260	SMT	42
40242796025	FB-03	EPA 8260	SMT	42
40242796026	DUP-01	EPA 8260	SMT	42
40242796027	DUP-02	EPA 8260	SMT	42
40242796028	DUP-03	EPA 8260	SMT	42
40242796029	TRIP BLANK	EPA 8260	SMT	42

PASI-G = Pace Analytical Services - Green Bay

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## PROJECT NARRATIVE

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

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**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** TRC - MADISON

**Date:** April 15, 2022

### General Information:

29 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

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

### Initial Calibrations (including MS Tune as applicable):

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

### Continuing Calibration:

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

### Internal Standards:

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

### Surrogates:

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

### Method Blank:

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

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

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

### Additional Comments:

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

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-01**      **Lab ID: 40242796001**      Collected: 03/30/22 15:50      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 11:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 11:56	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 11:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 11:56	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 11:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 11:56	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 11:56	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 11:56	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 11:56	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 11:56	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 11:56	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 11:56	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 11:56	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 11:56	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 11:56	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 11:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 11:56	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 11:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 11:56	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 11:56	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 11:56	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 11:56	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 11:56	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 11:56	100-42-5	
Tetrachloroethene	4.3	ug/L	1.0	0.41	1		04/06/22 11:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 11:56	108-88-3	
Trichloroethene	0.66J	ug/L	1.0	0.32	1		04/06/22 11:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 11:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 11:56	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 11:56	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 11:56	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 11:56	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 11:56	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 11:56	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 11:56	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 11:56	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 11:56	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 11:56	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 11:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/06/22 11:56	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 11:56	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-03**      **Lab ID: 40242796002**      Collected: 03/31/22 09:35      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		04/06/22 14:31	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		04/06/22 14:31	79-00-5	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		04/06/22 14:31	75-35-4	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		04/06/22 14:31	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/06/22 14:31	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		04/06/22 14:31	95-63-6	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		04/06/22 14:31	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	107-06-2	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	541-73-1	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		04/06/22 14:31	106-46-7	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		04/06/22 14:31	95-49-8	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		04/06/22 14:31	106-43-4	
Benzene	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	71-43-2	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		04/06/22 14:31	108-90-7	
Chloroform	<5.9	ug/L	25.0	5.9	5		04/06/22 14:31	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		04/06/22 14:31	74-87-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		04/06/22 14:31	100-41-4	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		04/06/22 14:31	98-82-8	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		04/06/22 14:31	75-09-2	
Naphthalene	<5.6	ug/L	25.0	5.6	5		04/06/22 14:31	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	100-42-5	
Tetrachloroethene	621	ug/L	5.0	2.0	5		04/06/22 14:31	127-18-4	
Toluene	<1.4	ug/L	5.0	1.4	5		04/06/22 14:31	108-88-3	
Trichloroethene	50.3	ug/L	5.0	1.6	5		04/06/22 14:31	79-01-6	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/06/22 14:31	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		04/06/22 14:31	1330-20-7	
cis-1,2-Dichloroethene	86.1	ug/L	5.0	2.4	5		04/06/22 14:31	156-59-2	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		04/06/22 14:31	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		04/06/22 14:31	104-51-8	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		04/06/22 14:31	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		04/06/22 14:31	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		04/06/22 14:31	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		04/06/22 14:31	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		04/06/22 14:31	98-06-6	
trans-1,2-Dichloroethene	2.7J	ug/L	5.0	2.6	5		04/06/22 14:31	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		5		04/06/22 14:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		5		04/06/22 14:31	2199-69-1	
Toluene-d8 (S)	105	%	70-130		5		04/06/22 14:31	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-03IS**      **Lab ID: 40242796003**      Collected: 03/31/22 10:25      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 12:15	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 12:15	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 12:15	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 12:15	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 12:15	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:15	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 12:15	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:15	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 12:15	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:15	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 12:15	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 12:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:15	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 12:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 12:15	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:15	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 12:15	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 12:15	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 12:15	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:15	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 12:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 12:15	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 12:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 12:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 12:15	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 12:15	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 12:15	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:15	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:15	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:15	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:15	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 12:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 12:15	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 12:15	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/06/22 12:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/06/22 12:15	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/06/22 12:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-03IDR**      **Lab ID: 40242796004**      Collected: 03/31/22 11:35      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 12:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 12:35	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 12:35	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 12:35	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 12:35	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:35	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 12:35	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:35	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 12:35	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:35	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 12:35	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 12:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:35	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 12:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 12:35	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:35	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 12:35	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 12:35	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 12:35	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 12:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 12:35	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 12:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 12:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 12:35	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 12:35	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 12:35	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:35	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:35	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:35	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:35	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 12:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 12:35	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 12:35	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/06/22 12:35	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/06/22 12:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-06**      **Lab ID: 40242796005**      Collected: 03/30/22 11:10      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/06/22 14:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/06/22 14:51	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/06/22 14:51	79-00-5	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/06/22 14:51	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/06/22 14:51	75-35-4	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/06/22 14:51	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/06/22 14:51	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/06/22 14:51	95-63-6	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 14:51	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/06/22 14:51	107-06-2	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/06/22 14:51	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/06/22 14:51	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/06/22 14:51	106-46-7	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 14:51	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 14:51	106-43-4	
Benzene	<0.59	ug/L	2.0	0.59	2		04/06/22 14:51	71-43-2	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/06/22 14:51	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 14:51	108-90-7	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/06/22 14:51	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/06/22 14:51	74-87-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 14:51	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/06/22 14:51	98-82-8	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/06/22 14:51	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/06/22 14:51	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/06/22 14:51	100-42-5	
Tetrachloroethene	149	ug/L	2.0	0.82	2		04/06/22 14:51	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		04/06/22 14:51	108-88-3	
Trichloroethene	31.6	ug/L	2.0	0.64	2		04/06/22 14:51	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/06/22 14:51	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/06/22 14:51	1330-20-7	
cis-1,2-Dichloroethene	8.1	ug/L	2.0	0.94	2		04/06/22 14:51	156-59-2	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/06/22 14:51	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 14:51	104-51-8	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/06/22 14:51	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/06/22 14:51	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/06/22 14:51	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/06/22 14:51	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/06/22 14:51	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	2.0	1.1	2		04/06/22 14:51	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		2		04/06/22 14:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		2		04/06/22 14:51	2199-69-1	
Toluene-d8 (S)	104	%	70-130		2		04/06/22 14:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-06IS**      **Lab ID: 40242796006**      Collected: 03/30/22 10:40      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 12:54	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 12:54	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 12:54	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:54	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 12:54	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 12:54	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:54	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 12:54	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:54	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:54	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 12:54	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:54	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:54	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 12:54	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 12:54	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:54	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 12:54	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 12:54	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:54	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 12:54	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 12:54	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 12:54	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:54	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 12:54	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 12:54	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 12:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 12:54	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 12:54	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 12:54	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 12:54	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:54	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:54	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:54	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:54	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 12:54	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 12:54	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 12:54	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 12:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/06/22 12:54	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/06/22 12:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-07**      **Lab ID: 40242796007**      Collected: 03/30/22 09:40      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 13:13	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 13:13	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 13:13	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 13:13	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 13:13	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:13	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 13:13	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:13	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:13	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 13:13	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:13	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:13	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 13:13	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 13:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:13	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 13:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 13:13	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:13	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 13:13	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 13:13	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 13:13	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:13	100-42-5	
Tetrachloroethene	231	ug/L	1.0	0.41	1		04/06/22 13:13	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 13:13	108-88-3	
Trichloroethene	46.6	ug/L	1.0	0.32	1		04/06/22 13:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 13:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 13:13	1330-20-7	
cis-1,2-Dichloroethene	98.3	ug/L	1.0	0.47	1		04/06/22 13:13	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 13:13	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:13	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:13	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:13	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:13	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 13:13	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 13:13	98-06-6	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.53	1		04/06/22 13:13	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 13:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/06/22 13:13	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 13:13	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-08**      **Lab ID: 40242796008**      Collected: 03/29/22 18:25      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 13:33	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 13:33	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 13:33	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:33	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 13:33	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 13:33	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:33	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 13:33	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:33	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:33	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 13:33	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:33	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:33	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 13:33	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 13:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:33	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 13:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 13:33	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:33	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 13:33	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 13:33	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 13:33	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:33	100-42-5	
Tetrachloroethene	22.0	ug/L	1.0	0.41	1		04/06/22 13:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 13:33	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.32	1		04/06/22 13:33	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 13:33	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 13:33	1330-20-7	
cis-1,2-Dichloroethene	0.53J	ug/L	1.0	0.47	1		04/06/22 13:33	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 13:33	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:33	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:33	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:33	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:33	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 13:33	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 13:33	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 13:33	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 13:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 13:33	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 13:33	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-08ID**      **Lab ID: 40242796009**      Collected: 03/29/22 19:50      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 09:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 09:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 09:27	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 09:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 09:27	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 09:27	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 09:27	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 09:27	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 09:27	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 09:27	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 09:27	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 09:27	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 09:27	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 09:27	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 09:27	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 09:27	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 09:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 09:27	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 09:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 09:27	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 09:27	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 09:27	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 09:27	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 09:27	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 09:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 09:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 09:27	108-88-3	
Trichloroethene	2.7	ug/L	1.0	0.32	1		04/07/22 09:27	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 09:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 09:27	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 09:27	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 09:27	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 09:27	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 09:27	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 09:27	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 09:27	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 09:27	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 09:27	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 09:27	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/07/22 09:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/07/22 09:27	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 09:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-08IS**      **Lab ID: 40242796010**      Collected: 03/29/22 19:10      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 14:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 14:12	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 14:12	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 14:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 14:12	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 14:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 14:12	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 14:12	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 14:12	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 14:12	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 14:12	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 14:12	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 14:12	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 14:12	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 14:12	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 14:12	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 14:12	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 14:12	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 14:12	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 14:12	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 14:12	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 14:12	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 14:12	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 14:12	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 14:12	100-42-5	
Tetrachloroethene	15.0	ug/L	1.0	0.41	1		04/06/22 14:12	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 14:12	108-88-3	
Trichloroethene	34.0	ug/L	1.0	0.32	1		04/06/22 14:12	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 14:12	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 14:12	1330-20-7	
cis-1,2-Dichloroethene	5.8	ug/L	1.0	0.47	1		04/06/22 14:12	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 14:12	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 14:12	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 14:12	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 14:12	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 14:12	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 14:12	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 14:12	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 14:12	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/06/22 14:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 14:12	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/06/22 14:12	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-09**      **Lab ID: 40242796011**      Collected: 03/30/22 16:45      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/06/22 15:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/06/22 15:10	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/06/22 15:10	79-00-5	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/06/22 15:10	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/06/22 15:10	75-35-4	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/06/22 15:10	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/06/22 15:10	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/06/22 15:10	95-63-6	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 15:10	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/06/22 15:10	107-06-2	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/06/22 15:10	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/06/22 15:10	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/06/22 15:10	106-46-7	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 15:10	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 15:10	106-43-4	
Benzene	<0.59	ug/L	2.0	0.59	2		04/06/22 15:10	71-43-2	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/06/22 15:10	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 15:10	108-90-7	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/06/22 15:10	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/06/22 15:10	74-87-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 15:10	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/06/22 15:10	98-82-8	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/06/22 15:10	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/06/22 15:10	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/06/22 15:10	100-42-5	
Tetrachloroethene	125	ug/L	2.0	0.82	2		04/06/22 15:10	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		04/06/22 15:10	108-88-3	
Trichloroethene	15.0	ug/L	2.0	0.64	2		04/06/22 15:10	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/06/22 15:10	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/06/22 15:10	1330-20-7	
cis-1,2-Dichloroethene	19.1	ug/L	2.0	0.94	2		04/06/22 15:10	156-59-2	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/06/22 15:10	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 15:10	104-51-8	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/06/22 15:10	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/06/22 15:10	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/06/22 15:10	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/06/22 15:10	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/06/22 15:10	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	2.0	1.1	2		04/06/22 15:10	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		2		04/06/22 15:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		2		04/06/22 15:10	2199-69-1	
Toluene-d8 (S)	105	%	70-130		2		04/06/22 15:10	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-11**      **Lab ID: 40242796012**      Collected: 03/30/22 14:05      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 16:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 16:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 16:59	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 16:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 16:59	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 16:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 16:59	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 16:59	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 16:59	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 16:59	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 16:59	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 16:59	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 16:59	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 16:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 16:59	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 16:59	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 16:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 16:59	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 16:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 16:59	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 16:59	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 16:59	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 16:59	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 16:59	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 16:59	100-42-5	
Tetrachloroethene	2.2	ug/L	1.0	0.41	1		04/06/22 16:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 16:59	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 16:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 16:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 16:59	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 16:59	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 16:59	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 16:59	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 16:59	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 16:59	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 16:59	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 16:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 16:59	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 16:59	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 16:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/06/22 16:59	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/06/22 16:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-13**      **Lab ID: 40242796013**      Collected: 03/29/22 17:13      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 12:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 12:43	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 12:43	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 12:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 12:43	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 12:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 12:43	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 12:43	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 12:43	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 12:43	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 12:43	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 12:43	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 12:43	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 12:43	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 12:43	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 12:43	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 12:43	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 12:43	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 12:43	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 12:43	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 12:43	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 12:43	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 12:43	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 12:43	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 12:43	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 12:43	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 12:43	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 12:43	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 12:43	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 12:43	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 12:43	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 12:43	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 12:43	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 12:43	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 12:43	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 12:43	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 12:43	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 12:43	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 12:43	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/07/22 12:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/07/22 12:43	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/07/22 12:43	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-13ID**      **Lab ID: 40242796014**      Collected: 03/29/22 12:07      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 17:19	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 17:19	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 17:19	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 17:19	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 17:19	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:19	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 17:19	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:19	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:19	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 17:19	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:19	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:19	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 17:19	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 17:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:19	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 17:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 17:19	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:19	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 17:19	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 17:19	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 17:19	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:19	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 17:19	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 17:19	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 17:19	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 17:19	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 17:19	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 17:19	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 17:19	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:19	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:19	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:19	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:19	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 17:19	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 17:19	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 17:19	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 17:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/06/22 17:19	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/06/22 17:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-13IS**      **Lab ID: 40242796015**      Collected: 03/29/22 18:20      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 17:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 17:38	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 17:38	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 17:38	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 17:38	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:38	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 17:38	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:38	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:38	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 17:38	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:38	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:38	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 17:38	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 17:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:38	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 17:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 17:38	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:38	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 17:38	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 17:38	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 17:38	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 17:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 17:38	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 17:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 17:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 17:38	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 17:38	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 17:38	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:38	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:38	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:38	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:38	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 17:38	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 17:38	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 17:38	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 17:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/06/22 17:38	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/06/22 17:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-16**      **Lab ID: 40242796016**      Collected: 03/30/22 12:05      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 17:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 17:57	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 17:57	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 17:57	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 17:57	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:57	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 17:57	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:57	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 17:57	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:57	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 17:57	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 17:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:57	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 17:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 17:57	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:57	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 17:57	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 17:57	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 17:57	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 17:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 17:57	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 17:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 17:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 17:57	1330-20-7	
cis-1,2-Dichloroethene	0.62J	ug/L	1.0	0.47	1		04/06/22 17:57	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 17:57	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:57	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:57	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:57	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:57	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 17:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 17:57	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 17:57	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 17:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 17:57	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		04/06/22 17:57	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-17**      **Lab ID: 40242796017**      Collected: 03/30/22 07:20      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 18:17	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 18:17	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 18:17	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:17	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 18:17	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 18:17	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:17	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 18:17	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:17	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:17	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 18:17	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:17	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:17	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 18:17	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 18:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:17	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 18:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 18:17	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:17	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 18:17	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 18:17	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 18:17	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:17	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 18:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 18:17	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 18:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 18:17	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 18:17	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 18:17	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 18:17	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:17	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:17	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:17	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:17	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 18:17	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 18:17	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 18:17	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 18:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/06/22 18:17	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/06/22 18:17	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-18ID**      **Lab ID: 40242796018**      Collected: 03/30/22 08:07      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 18:36	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 18:36	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 18:36	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 18:36	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 18:36	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:36	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 18:36	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:36	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 18:36	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:36	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 18:36	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 18:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:36	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 18:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 18:36	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:36	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 18:36	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 18:36	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 18:36	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:36	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 18:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 18:36	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 18:36	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 18:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 18:36	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 18:36	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 18:36	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:36	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:36	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:36	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:36	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 18:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 18:36	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 18:36	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 18:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/06/22 18:36	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/06/22 18:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-18IS**      **Lab ID: 40242796019**      Collected: 03/30/22 08:45      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 18:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 18:56	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 18:56	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 18:56	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 18:56	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:56	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 18:56	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:56	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:56	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 18:56	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:56	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:56	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 18:56	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 18:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:56	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 18:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 18:56	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:56	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 18:56	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 18:56	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 18:56	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:56	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 18:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 18:56	108-88-3	
Trichloroethene	0.68J	ug/L	1.0	0.32	1		04/06/22 18:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 18:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 18:56	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 18:56	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 18:56	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:56	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:56	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:56	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:56	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 18:56	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 18:56	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 18:56	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/06/22 18:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 18:56	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 18:56	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-19**      **Lab ID: 40242796020**      Collected: 03/31/22 12:35      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 19:15	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 19:15	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 19:15	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 19:15	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 19:15	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:15	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 19:15	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:15	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 19:15	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:15	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 19:15	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 19:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:15	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 19:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 19:15	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:15	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 19:15	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 19:15	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 19:15	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:15	100-42-5	
Tetrachloroethene	1.1	ug/L	1.0	0.41	1		04/06/22 19:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 19:15	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 19:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 19:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 19:15	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 19:15	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 19:15	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:15	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:15	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:15	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:15	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 19:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 19:15	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 19:15	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 19:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/06/22 19:15	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 19:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-20**      **Lab ID: 40242796021**      Collected: 03/30/22 12:50      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 19:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 19:35	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 19:35	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 19:35	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 19:35	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:35	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 19:35	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:35	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 19:35	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:35	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 19:35	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 19:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:35	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 19:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 19:35	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:35	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 19:35	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 19:35	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 19:35	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 19:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 19:35	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 19:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 19:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 19:35	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 19:35	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 19:35	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:35	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:35	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:35	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:35	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 19:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 19:35	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 19:35	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/06/22 19:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/06/22 19:35	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 19:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-21**      **Lab ID: 40242796022**      Collected: 03/30/22 14:55      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 13:02	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 13:02	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 13:02	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:02	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 13:02	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 13:02	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:02	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 13:02	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:02	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:02	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 13:02	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:02	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:02	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 13:02	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 13:02	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:02	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 13:02	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 13:02	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:02	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 13:02	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 13:02	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 13:02	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:02	100-42-5	
Tetrachloroethene	2.1	ug/L	1.0	0.41	1		04/07/22 13:02	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 13:02	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 13:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 13:02	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 13:02	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 13:02	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 13:02	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:02	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:02	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:02	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:02	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 13:02	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 13:02	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 13:02	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/07/22 13:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/07/22 13:02	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		04/07/22 13:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: FB-01**      **Lab ID: 40242796023**      Collected: 03/28/22 18:05      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 20:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 20:09	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 20:09	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 20:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 20:09	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 20:09	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 20:09	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 20:09	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 20:09	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 20:09	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 20:09	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 20:09	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 20:09	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 20:09	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 20:09	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 20:09	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 20:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 20:09	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 20:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 20:09	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 20:09	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 20:09	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 20:09	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 20:09	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 20:09	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 20:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 20:09	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 20:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 20:09	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 20:09	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 20:09	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 20:09	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 20:09	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 20:09	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 20:09	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 20:09	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 20:09	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 20:09	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 20:09	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/07/22 20:09	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/07/22 20:09	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 20:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: FB-02**      **Lab ID: 40242796024**      Collected: 03/30/22 17:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 13:22	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 13:22	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 13:22	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 13:22	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 13:22	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:22	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 13:22	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:22	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 13:22	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:22	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 13:22	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 13:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:22	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 13:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 13:22	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:22	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 13:22	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 13:22	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 13:22	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:22	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 13:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 13:22	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 13:22	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 13:22	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 13:22	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 13:22	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 13:22	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:22	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:22	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:22	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:22	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 13:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 13:22	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 13:22	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/07/22 13:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/07/22 13:22	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 13:22	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: FB-03**      **Lab ID: 40242796025**      Collected: 03/31/22 10:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 13:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 13:42	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 13:42	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:42	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 13:42	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 13:42	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:42	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 13:42	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:42	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:42	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 13:42	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:42	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:42	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 13:42	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 13:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:42	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 13:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 13:42	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:42	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 13:42	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 13:42	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 13:42	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 13:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 13:42	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 13:42	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 13:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 13:42	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 13:42	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 13:42	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:42	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:42	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:42	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:42	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 13:42	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 13:42	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 13:42	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/07/22 13:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/07/22 13:42	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/07/22 13:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: DUP-01**      **Lab ID: 40242796026**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		04/07/22 20:48	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		04/07/22 20:48	79-00-5	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		04/07/22 20:48	75-35-4	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		04/07/22 20:48	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/07/22 20:48	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		04/07/22 20:48	95-63-6	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		04/07/22 20:48	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	107-06-2	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	541-73-1	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		04/07/22 20:48	106-46-7	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		04/07/22 20:48	95-49-8	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		04/07/22 20:48	106-43-4	
Benzene	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	71-43-2	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		04/07/22 20:48	108-90-7	
Chloroform	<5.9	ug/L	25.0	5.9	5		04/07/22 20:48	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		04/07/22 20:48	74-87-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		04/07/22 20:48	100-41-4	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		04/07/22 20:48	98-82-8	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		04/07/22 20:48	75-09-2	
Naphthalene	<5.6	ug/L	25.0	5.6	5		04/07/22 20:48	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	100-42-5	
Tetrachloroethene	208	ug/L	5.0	2.0	5		04/07/22 20:48	127-18-4	
Toluene	<1.4	ug/L	5.0	1.4	5		04/07/22 20:48	108-88-3	
Trichloroethene	42.8	ug/L	5.0	1.6	5		04/07/22 20:48	79-01-6	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/07/22 20:48	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		04/07/22 20:48	1330-20-7	
cis-1,2-Dichloroethene	86.9	ug/L	5.0	2.4	5		04/07/22 20:48	156-59-2	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		04/07/22 20:48	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		04/07/22 20:48	104-51-8	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		04/07/22 20:48	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		04/07/22 20:48	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		04/07/22 20:48	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		04/07/22 20:48	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		04/07/22 20:48	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	5.0	2.6	5		04/07/22 20:48	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		5		04/07/22 20:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		5		04/07/22 20:48	2199-69-1	
Toluene-d8 (S)	104	%	70-130		5		04/07/22 20:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: DUP-02**      **Lab ID: 40242796027**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/07/22 21:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/07/22 21:07	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/07/22 21:07	79-00-5	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/07/22 21:07	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/07/22 21:07	75-35-4	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/07/22 21:07	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/07/22 21:07	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/07/22 21:07	95-63-6	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/07/22 21:07	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/07/22 21:07	107-06-2	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/07/22 21:07	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/07/22 21:07	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/07/22 21:07	106-46-7	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/07/22 21:07	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/07/22 21:07	106-43-4	
Benzene	<0.59	ug/L	2.0	0.59	2		04/07/22 21:07	71-43-2	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/07/22 21:07	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/07/22 21:07	108-90-7	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/07/22 21:07	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/07/22 21:07	74-87-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/07/22 21:07	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/07/22 21:07	98-82-8	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/07/22 21:07	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/07/22 21:07	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/07/22 21:07	100-42-5	
Tetrachloroethene	117	ug/L	2.0	0.82	2		04/07/22 21:07	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		04/07/22 21:07	108-88-3	
Trichloroethene	14.8	ug/L	2.0	0.64	2		04/07/22 21:07	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/07/22 21:07	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/07/22 21:07	1330-20-7	
cis-1,2-Dichloroethene	18.3	ug/L	2.0	0.94	2		04/07/22 21:07	156-59-2	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/07/22 21:07	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/07/22 21:07	104-51-8	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/07/22 21:07	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/07/22 21:07	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/07/22 21:07	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/07/22 21:07	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/07/22 21:07	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	2.0	1.1	2		04/07/22 21:07	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		2		04/07/22 21:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		2		04/07/22 21:07	2199-69-1	
Toluene-d8 (S)	106	%	70-130		2		04/07/22 21:07	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: DUP-03**      **Lab ID: 40242796028**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		04/07/22 16:38	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		04/07/22 16:38	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		04/07/22 16:38	79-00-5	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		04/07/22 16:38	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		04/07/22 16:38	75-35-4	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		04/07/22 16:38	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/07/22 16:38	120-82-1	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		04/07/22 16:38	95-63-6	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		04/07/22 16:38	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		04/07/22 16:38	107-06-2	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		04/07/22 16:38	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		04/07/22 16:38	541-73-1	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		04/07/22 16:38	106-46-7	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/07/22 16:38	95-49-8	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/07/22 16:38	106-43-4	
Benzene	<3.0	ug/L	10.0	3.0	10		04/07/22 16:38	71-43-2	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		04/07/22 16:38	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		04/07/22 16:38	108-90-7	
Chloroform	<11.8	ug/L	50.0	11.8	10		04/07/22 16:38	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		04/07/22 16:38	74-87-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		04/07/22 16:38	100-41-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		04/07/22 16:38	98-82-8	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		04/07/22 16:38	75-09-2	
Naphthalene	<11.3	ug/L	50.0	11.3	10		04/07/22 16:38	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		04/07/22 16:38	100-42-5	
Tetrachloroethene	582	ug/L	10.0	4.1	10		04/07/22 16:38	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		04/07/22 16:38	108-88-3	
Trichloroethene	45.2	ug/L	10.0	3.2	10		04/07/22 16:38	79-01-6	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/07/22 16:38	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		04/07/22 16:38	1330-20-7	
cis-1,2-Dichloroethene	81.3	ug/L	10.0	4.7	10		04/07/22 16:38	156-59-2	
m&p-Xylene	<7.0	ug/L	20.0	7.0	10		04/07/22 16:38	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		04/07/22 16:38	104-51-8	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		04/07/22 16:38	103-65-1	
o-Xylene	<3.5	ug/L	10.0	3.5	10		04/07/22 16:38	95-47-6	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		04/07/22 16:38	99-87-6	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		04/07/22 16:38	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		04/07/22 16:38	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		04/07/22 16:38	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		10		04/07/22 16:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		10		04/07/22 16:38	2199-69-1	
Toluene-d8 (S)	102	%	70-130		10		04/07/22 16:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: TRIP BLANK**      **Lab ID: 40242796029**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 14:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 14:01	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 14:01	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 14:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 14:01	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 14:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 14:01	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 14:01	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 14:01	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 14:01	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 14:01	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 14:01	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 14:01	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 14:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 14:01	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 14:01	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 14:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 14:01	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 14:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 14:01	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 14:01	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 14:01	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 14:01	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 14:01	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 14:01	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 14:01	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 14:01	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 14:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 14:01	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 14:01	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 14:01	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 14:01	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 14:01	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 14:01	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 14:01	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 14:01	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 14:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 14:01	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 14:01	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/07/22 14:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/07/22 14:01	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 14:01	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

QC Batch:	412102	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40242796001, 40242796002, 40242796003, 40242796004, 40242796005, 40242796006, 40242796007, 40242796008, 40242796009, 40242796010, 40242796011, 40242796012, 40242796014, 40242796015, 40242796016, 40242796017, 40242796018, 40242796019, 40242796020, 40242796021		

METHOD BLANK: 2373402

Matrix: Water

Associated Lab Samples: 40242796001, 40242796002, 40242796003, 40242796004, 40242796005, 40242796006, 40242796007, 40242796008, 40242796009, 40242796010, 40242796011, 40242796012, 40242796014, 40242796015, 40242796016, 40242796017, 40242796018, 40242796019, 40242796020, 40242796021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	0.30	04/06/22 09:40	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	0.38	04/06/22 09:40	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	0.34	04/06/22 09:40	
1,1-Dichloroethane	ug/L	<0.30	1.0	0.30	04/06/22 09:40	
1,1-Dichloroethene	ug/L	<0.58	1.0	0.58	04/06/22 09:40	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	1.0	04/06/22 09:40	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	0.95	04/06/22 09:40	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	0.45	04/06/22 09:40	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	0.33	04/06/22 09:40	
1,2-Dichloroethane	ug/L	<0.29	1.0	0.29	04/06/22 09:40	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	0.36	04/06/22 09:40	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	0.35	04/06/22 09:40	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	0.89	04/06/22 09:40	
2-Chlorotoluene	ug/L	<0.89	5.0	0.89	04/06/22 09:40	
4-Chlorotoluene	ug/L	<0.89	5.0	0.89	04/06/22 09:40	
Benzene	ug/L	<0.30	1.0	0.30	04/06/22 09:40	
Carbon tetrachloride	ug/L	<0.37	1.0	0.37	04/06/22 09:40	
Chlorobenzene	ug/L	<0.86	1.0	0.86	04/06/22 09:40	
Chloroform	ug/L	<1.2	5.0	1.2	04/06/22 09:40	
Chloromethane	ug/L	<1.6	5.0	1.6	04/06/22 09:40	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	0.47	04/06/22 09:40	
Ethylbenzene	ug/L	<0.33	1.0	0.33	04/06/22 09:40	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	1.0	04/06/22 09:40	
m&p-Xylene	ug/L	<0.70	2.0	0.70	04/06/22 09:40	
Methylene Chloride	ug/L	<0.32	5.0	0.32	04/06/22 09:40	
n-Butylbenzene	ug/L	<0.86	1.0	0.86	04/06/22 09:40	
n-Propylbenzene	ug/L	<0.35	1.0	0.35	04/06/22 09:40	
Naphthalene	ug/L	<1.1	5.0	1.1	04/06/22 09:40	
o-Xylene	ug/L	<0.35	1.0	0.35	04/06/22 09:40	
p-Isopropyltoluene	ug/L	<1.0	5.0	1.0	04/06/22 09:40	
sec-Butylbenzene	ug/L	<0.42	1.0	0.42	04/06/22 09:40	
Styrene	ug/L	<0.36	1.0	0.36	04/06/22 09:40	
tert-Butylbenzene	ug/L	<0.59	1.0	0.59	04/06/22 09:40	
Tetrachloroethene	ug/L	<0.41	1.0	0.41	04/06/22 09:40	
Toluene	ug/L	<0.29	1.0	0.29	04/06/22 09:40	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	0.53	04/06/22 09:40	
Trichloroethene	ug/L	<0.32	1.0	0.32	04/06/22 09:40	

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## QUALITY CONTROL DATA

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

METHOD BLANK: 2373402

Matrix: Water

Associated Lab Samples: 40242796001, 40242796002, 40242796003, 40242796004, 40242796005, 40242796006, 40242796007, 40242796008, 40242796009, 40242796010, 40242796011, 40242796012, 40242796014, 40242796015, 40242796016, 40242796017, 40242796018, 40242796019, 40242796020, 40242796021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	0.17	04/06/22 09:40	
Xylene (Total)	ug/L	<1.0	3.0	1.0	04/06/22 09:40	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		04/06/22 09:40	
4-Bromofluorobenzene (S)	%	110	70-130		04/06/22 09:40	
Toluene-d8 (S)	%	110	70-130		04/06/22 09:40	

LABORATORY CONTROL SAMPLE: 2373403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	66-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	48.1	96	68-132	
1,1-Dichloroethene	ug/L	50	49.5	99	85-126	
1,2,4-Trichlorobenzene	ug/L	50	43.2	86	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	46.2	92	70-130	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	51.4	103	70-132	
Carbon tetrachloride	ug/L	50	53.5	107	70-130	
Chlorobenzene	ug/L	50	50.1	100	70-130	
Chloroform	ug/L	50	52.3	105	80-122	
Chloromethane	ug/L	50	48.6	97	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	70-130	
Ethylbenzene	ug/L	50	51.7	103	80-123	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methylene Chloride	ug/L	50	49.6	99	70-130	
o-Xylene	ug/L	50	49.9	100	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	48.6	97	70-130	
Toluene	ug/L	50	49.8	100	80-121	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
Trichloroethene	ug/L	50	50.4	101	70-130	
Vinyl chloride	ug/L	50	47.3	95	63-142	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			103	70-130	

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## QUALITY CONTROL DATA

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2373404 2373405											
Parameter	Units	40242796006		MS	MSD	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Spike	Spike						
						Result	Result	% Rec	% Rec	Limits	RPD
1,1,1-Trichloroethane	ug/L	<0.30	50	50	50	55.5	54.7	111	109	70-130	1
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50	57.6	55.6	115	111	66-130	4
1,1,2-Trichloroethane	ug/L	<0.34	50	50	50	51.9	50.2	104	100	70-130	3
1,1-Dichloroethane	ug/L	<0.30	50	50	50	51.5	50.0	103	100	68-132	3
1,1-Dichloroethene	ug/L	<0.58	50	50	50	51.2	49.9	102	100	76-132	3
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	46.8	44.7	94	89	70-130	4
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50	51.5	48.2	103	96	70-130	7
1,2-Dichloroethane	ug/L	<0.29	50	50	50	49.0	49.6	98	99	70-130	1
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50	53.8	51.0	108	102	70-130	5
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50	52.2	49.9	104	100	70-130	5
Benzene	ug/L	<0.30	50	50	50	54.5	53.0	109	106	70-132	3
Carbon tetrachloride	ug/L	<0.37	50	50	50	56.4	55.6	113	111	70-132	1
Chlorobenzene	ug/L	<0.86	50	50	50	52.3	51.1	105	102	70-130	2
Chloroform	ug/L	<1.2	50	50	50	56.2	55.6	112	111	80-122	1
Chloromethane	ug/L	<1.6	50	50	50	53.9	50.3	108	101	17-149	7
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	50	53.1	50.8	106	102	70-130	4
Ethylbenzene	ug/L	<0.33	50	50	50	54.7	50.8	109	102	80-123	7
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	53.5	51.0	107	102	70-130	5
m&p-Xylene	ug/L	<0.70	100	100	100	107	101	107	101	70-130	6
Methylene Chloride	ug/L	<0.32	50	50	50	52.6	51.5	105	103	70-130	2
o-Xylene	ug/L	<0.35	50	50	50	52.8	50.3	106	101	70-130	5
Styrene	ug/L	<0.36	50	50	50	52.7	50.9	105	102	70-130	3
Tetrachloroethene	ug/L	<0.41	50	50	50	49.6	48.5	99	97	70-130	2
Toluene	ug/L	<0.29	50	50	50	53.2	50.0	106	100	80-121	6
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	50	48.9	50.0	98	100	70-134	2
Trichloroethene	ug/L	<0.32	50	50	50	53.7	50.0	107	100	70-130	7
Vinyl chloride	ug/L	<0.17	50	50	50	49.8	48.3	100	97	61-143	3
Xylene (Total)	ug/L	<1.0	150	150	150	160	151	107	101	70-130	6
1,2-Dichlorobenzene-d4 (S)	%							101	98	70-130	
4-Bromofluorobenzene (S)	%							108	103	70-130	
Toluene-d8 (S)	%							103	103	70-130	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 255308 SIKESTON ARAMARK  
Pace Project No.: 40242796

QC Batch:	412103	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40242796013, 40242796022, 40242796023, 40242796024, 40242796025, 40242796026, 40242796027, 40242796028, 40242796029

METHOD BLANK: 2373406 Matrix: Water  
Associated Lab Samples: 40242796013, 40242796022, 40242796023, 40242796024, 40242796025, 40242796026, 40242796027, 40242796028, 40242796029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	0.30	04/07/22 09:07	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	0.38	04/07/22 09:07	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	0.34	04/07/22 09:07	
1,1-Dichloroethane	ug/L	<0.30	1.0	0.30	04/07/22 09:07	
1,1-Dichloroethene	ug/L	<0.58	1.0	0.58	04/07/22 09:07	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	1.0	04/07/22 09:07	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	0.95	04/07/22 09:07	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	0.45	04/07/22 09:07	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	0.33	04/07/22 09:07	
1,2-Dichloroethane	ug/L	<0.29	1.0	0.29	04/07/22 09:07	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	0.36	04/07/22 09:07	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	0.35	04/07/22 09:07	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	0.89	04/07/22 09:07	
2-Chlorotoluene	ug/L	<0.89	5.0	0.89	04/07/22 09:07	
4-Chlorotoluene	ug/L	<0.89	5.0	0.89	04/07/22 09:07	
Benzene	ug/L	<0.30	1.0	0.30	04/07/22 09:07	
Carbon tetrachloride	ug/L	<0.37	1.0	0.37	04/07/22 09:07	
Chlorobenzene	ug/L	<0.86	1.0	0.86	04/07/22 09:07	
Chloroform	ug/L	<1.2	5.0	1.2	04/07/22 09:07	
Chloromethane	ug/L	<1.6	5.0	1.6	04/07/22 09:07	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	0.47	04/07/22 09:07	
Ethylbenzene	ug/L	<0.33	1.0	0.33	04/07/22 09:07	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	1.0	04/07/22 09:07	
m&p-Xylene	ug/L	<0.70	2.0	0.70	04/07/22 09:07	
Methylene Chloride	ug/L	<0.32	5.0	0.32	04/07/22 09:07	
n-Butylbenzene	ug/L	<0.86	1.0	0.86	04/07/22 09:07	
n-Propylbenzene	ug/L	<0.35	1.0	0.35	04/07/22 09:07	
Naphthalene	ug/L	<1.1	5.0	1.1	04/07/22 09:07	
o-Xylene	ug/L	<0.35	1.0	0.35	04/07/22 09:07	
p-Isopropyltoluene	ug/L	<1.0	5.0	1.0	04/07/22 09:07	
sec-Butylbenzene	ug/L	<0.42	1.0	0.42	04/07/22 09:07	
Styrene	ug/L	<0.36	1.0	0.36	04/07/22 09:07	
tert-Butylbenzene	ug/L	<0.59	1.0	0.59	04/07/22 09:07	
Tetrachloroethene	ug/L	<0.41	1.0	0.41	04/07/22 09:07	
Toluene	ug/L	<0.29	1.0	0.29	04/07/22 09:07	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	0.53	04/07/22 09:07	
Trichloroethene	ug/L	<0.32	1.0	0.32	04/07/22 09:07	
Vinyl chloride	ug/L	<0.17	1.0	0.17	04/07/22 09:07	
Xylene (Total)	ug/L	<1.0	3.0	1.0	04/07/22 09:07	

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## QUALITY CONTROL DATA

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

METHOD BLANK: 2373406

Matrix: Water

Associated Lab Samples: 40242796013, 40242796022, 40242796023, 40242796024, 40242796025, 40242796026, 40242796027, 40242796028, 40242796029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		04/07/22 09:07	
4-Bromofluorobenzene (S)	%	102	70-130		04/07/22 09:07	
Toluene-d8 (S)	%	103	70-130		04/07/22 09:07	

LABORATORY CONTROL SAMPLE: 2373407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.9	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.2	110	66-130	
1,1,2-Trichloroethane	ug/L	50	54.9	110	70-130	
1,1-Dichloroethane	ug/L	50	49.6	99	68-132	
1,1-Dichloroethene	ug/L	50	50.5	101	85-126	
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	70-130	
1,2-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dichloroethane	ug/L	50	50.1	100	70-130	
1,3-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,4-Dichlorobenzene	ug/L	50	49.5	99	70-130	
Benzene	ug/L	50	52.4	105	70-132	
Carbon tetrachloride	ug/L	50	53.9	108	70-130	
Chlorobenzene	ug/L	50	51.5	103	70-130	
Chloroform	ug/L	50	54.6	109	80-122	
Chloromethane	ug/L	50	49.6	99	27-148	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
Ethylbenzene	ug/L	50	51.5	103	80-123	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methylene Chloride	ug/L	50	51.9	104	70-130	
o-Xylene	ug/L	50	50.1	100	70-130	
Styrene	ug/L	50	52.1	104	70-130	
Tetrachloroethene	ug/L	50	46.9	94	70-130	
Toluene	ug/L	50	51.7	103	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-130	
Trichloroethene	ug/L	50	51.7	103	70-130	
Vinyl chloride	ug/L	50	47.7	95	63-142	
Xylene (Total)	ug/L	150	154	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			104	70-130	

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

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2373408 2373409											
Parameter	Units	40242796013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.4	53.5	105	107	70-130	2	20
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	58.6	56.7	117	113	66-130	3	20
1,1,2-Trichloroethane	ug/L	<0.34	50	50	53.0	51.7	106	103	70-130	2	20
1,1-Dichloroethane	ug/L	<0.30	50	50	49.4	49.3	99	99	68-132	0	20
1,1-Dichloroethene	ug/L	<0.58	50	50	49.2	49.1	98	98	76-132	0	20
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	43.8	41.8	88	84	70-130	5	20
1,2-Dichlorobenzene	ug/L	<0.33	50	50	49.8	47.2	100	94	70-130	5	20
1,2-Dichloroethane	ug/L	<0.29	50	50	48.0	48.6	96	97	70-130	1	20
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.6	48.7	101	97	70-130	4	20
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.9	48.3	102	97	70-130	5	20
Benzene	ug/L	<0.30	50	50	52.8	52.3	106	105	70-132	1	20
Carbon tetrachloride	ug/L	<0.37	50	50	53.5	54.6	107	109	70-132	2	20
Chlorobenzene	ug/L	<0.86	50	50	51.0	49.7	102	99	70-130	3	20
Chloroform	ug/L	<1.2	50	50	54.1	54.2	108	108	80-122	0	20
Chloromethane	ug/L	<1.6	50	50	48.8	47.6	98	95	17-149	3	20
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.3	50.5	99	101	70-130	2	20
Ethylbenzene	ug/L	<0.33	50	50	52.7	51.3	105	103	80-123	3	20
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	51.5	49.9	103	100	70-130	3	20
m&p-Xylene	ug/L	<0.70	100	100	103	100	103	100	70-130	2	20
Methylene Chloride	ug/L	<0.32	50	50	52.0	50.7	104	101	70-130	2	20
o-Xylene	ug/L	<0.35	50	50	50.1	49.1	100	98	70-130	2	20
Styrene	ug/L	<0.36	50	50	51.2	50.8	102	102	70-130	1	20
Tetrachloroethene	ug/L	<0.41	50	50	47.1	46.5	94	93	70-130	1	20
Toluene	ug/L	<0.29	50	50	51.0	50.5	102	101	80-121	1	20
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	49.3	48.4	99	97	70-134	2	20
Trichloroethene	ug/L	<0.32	50	50	50.1	49.9	100	100	70-130	0	20
Vinyl chloride	ug/L	<0.17	50	50	48.2	47.2	96	94	61-143	2	20
Xylene (Total)	ug/L	<1.0	150	150	153	149	102	100	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						103	99	70-130		
4-Bromofluorobenzene (S)	%						107	103	70-130		
Toluene-d8 (S)	%						103	104	70-130		

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## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

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### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: 255308 SIKESTON ARAMARK


Pace Project No.: 40242796

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40242796001	MW-01	EPA 8260	412102		
40242796002	MW-03	EPA 8260	412102		
40242796003	MW-03IS	EPA 8260	412102		
40242796004	MW-03IDR	EPA 8260	412102		
40242796005	MW-06	EPA 8260	412102		
40242796006	MW-06IS	EPA 8260	412102		
40242796007	MW-07	EPA 8260	412102		
40242796008	MW-08	EPA 8260	412102		
40242796009	MW-08ID	EPA 8260	412102		
40242796010	MW-08IS	EPA 8260	412102		
40242796011	MW-09	EPA 8260	412102		
40242796012	MW-11	EPA 8260	412102		
40242796013	MW-13	EPA 8260	412103		
40242796014	MW-13ID	EPA 8260	412102		
40242796015	MW-13IS	EPA 8260	412102		
40242796016	MW-16	EPA 8260	412102		
40242796017	MW-17	EPA 8260	412102		
40242796018	MW-18ID	EPA 8260	412102		
40242796019	MW-18IS	EPA 8260	412102		
40242796020	MW-19	EPA 8260	412102		
40242796021	MW-20	EPA 8260	412102		
40242796022	MW-21	EPA 8260	412103		
40242796023	FB-01	EPA 8260	412103		
40242796024	FB-02	EPA 8260	412103		
40242796025	FB-03	EPA 8260	412103		
40242796026	DUP-01	EPA 8260	412103		
40242796027	DUP-02	EPA 8260	412103		
40242796028	DUP-03	EPA 8260	412103		
40242796029	TRIP BLANK	EPA 8260	412103		


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<div> <b>CHAIN-OF-CUSTODY Analytical Request Document</b></div> <div>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</div>										<div>LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here</div> <div>410242796</div>														
Company: TRC					Billing Information:					<b>ALL SHADED AREAS are for LAB USE ONLY</b>														
Address: 708 Heartland Trail #3000										Container Preservative Type **					Lab Project Manager:									
Report To: Marshal Toffe					Email To: mtoffe@trccompanies.com					** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other														
Copy To: Meredith Westover & John Tweedale					Site Collection Info/Address: 400 N. West St.					Analyses					Lab Profile/Line:									
Customer Project Name/Number: Sikeston Aramark 255308					State: MO / County/City: Sikeston / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET					<div>Lab Sample Receipt Checklist:</div> <div>Custody Seals Present/Intact Y N NA</div> <div>Custody Signatures Present Y N NA</div> <div>Collector Signature Present Y N NA</div> <div>Bottles Intact Y N NA</div> <div>Correct Bottles Y N NA</div> <div>Sufficient Volume Y N NA</div> <div>Samples Received on Ice Y N NA</div> <div>VOA - Headspace Acceptable Y N NA</div> <div>USDA Regulated Soils Y N NA</div> <div>Samples in Holding Time Y N NA</div> <div>Residual Chlorine Present Y N NA</div> <div>Cl Strips: Y N NA</div> <div>Sample pH Acceptable Y N NA</div> <div>pH Strips: Y N NA</div> <div>Sulfide Present Y N NA</div> <div>Lead Acetate Strips: Y N NA</div> <div>LAB USE ONLY:</div> <div>Lab Sample # / Comments:</div>														
Phone: 608-630-4732					Site/Facility ID #:															Compliance Monitoring? [ ] Yes [ ] No				
Email: mtoffe@trccompanies.com					Purchase Order #:															DW PWS ID #:				
Collected By (print): Marshal Toffe					Quote #:															DW Location Code:				
Collected By (signature): Marshal Toffe					Turnaround Date Required: Standard															Immediately Packed on Ice: [X] Yes [ ] No				
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:					Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)					Field Filtered (if applicable): [ ] Yes [X] No N/A														
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)										Analysis:														
Customer Sample ID		Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	<div>Special List VOCs see QAPP</div>														
				Date	Time	Date	Time																	
MW-01		GW	Grab	3/30	15:50				3															
MW-03				3/31	9:35				3															
MW-03 IS				3/31	10:25				3															
MW-03 IDR				3/31	11:35				3															
MW-06				3/30	11:10				3															
MW-06 IS				3/30	10:40				6															
MW-07				3/30	9:40				3															
MW-08				3/29	18:25				3															
MW-08 ID				3/29	19:50				3															
MW-08 IS				3/29	19:10				3															
Customer Remarks / Special Conditions / Possible Hazards: Special List VOCs. See QAPP.										Type of Ice Used: Wet Blue Dry None					SHORT HOLDS PRESENT (<72 hours): Y N N/A					Lab Sample Temperature Info:				
										Packing Material Used:					Lab Tracking #: 2763416					Temp Blank Received: Y N NA				
										Radchem sample(s) screened (<500 cpm): Y N NA					Samples received via: FEDEX UPS Client Courier Pace Courier					Therm ID#: 22205				
Relinquished by/Company: (Signature) Marshal Toffe TRC										Date/Time: 4/1 12:00					Received by/Company: (Signature)					Date/Time:				
Relinquished by/Company: (Signature) Fed ex										Date/Time: 4-22 1105					Received by/Company: (Signature) J. Blatter Pace					Date/Time: 4-22 1105				
Relinquished by/Company: (Signature)										Date/Time:					Received by/Company: (Signature)					Date/Time:				
																				MTJL LAB USE ONLY				
																				Table #:				
																				Acctnum:				
																				Template:				
																				Prelogin:				
																				PM:				
																				PB:				
																				Trip Blank Received: Y N NA				
																				HCL MeOH TSP Other				
																				Non Conformance(s): YES / NO				
																				Page: Page 43 of 48				
																				of: _____				

<div> <b>CHAIN-OF-CUSTODY Analytical Request Document</b></div> <div>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</div>				<div>LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here</div> <div>40242796</div>															
Company: TRC				Billing Information:				ALL SHADED AREAS are for LAB USE ONLY											
Address: 708 Heartland Trail #3000				Email To: mtoffe@trccompanies.com				Container Preservative Type **						Lab Project Manager:					
Report To: Marshal Toffe				Site Collection Info/Address: 400 N. West St.				** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other											
Copy To: M. Westover & J. Tweddale				State: MO County/City: Sikeston Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET				Analyses						Lab Profile/Line:					
Customer Project Name/Number: Sikeston Anamark 255309				Purchase Order #: Quote #:										Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: Y N NA Sample pH Acceptable Y N NA pH Strips: Y N NA Sulfide Present Y N NA Lead Acetate Strips: Y N NA  LAB USE ONLY: Lab Sample # / Comments:					
Phone: 608-630-4732				Compliance Monitoring? [ ] Yes [ ] No															
Email: mtoffe@trccompanies.com				DW PWS ID #: DW Location Code:															
Collected By (print): Marshal Toffe				Turnaround Date Required: Standard															
Collected By (signature): [Signature]				Immediately Packed on Ice: [X] Yes [ ] No															
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:				Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)				Field Filtered (if applicable): [ ] Yes [X] No N/A						Analysis:					
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)																			
Customer Sample ID		Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	3									
				Date Time		Date Time													
MW-09		GW	Grab	3/30 16:45					3										
MW-11				3/30 14:05					3										
MW-13				3/29 17:13					6										
MW-13ID				3/29 12:07					3										
MW-13IS				3/29 18:20					7										
MW-16				3/30 12:05					3										
MW-17				3/30 7:20					3										
MW-18ID				3/30 8:07					3										
MW-18IS				3/30 8:45					3										
MW-19				3/31 12:35					3										
Customer Remarks / Special Conditions / Possible Hazards: Special List VOCs. See QAPP				Type of Ice Used: Wet Blue Dry None				SHORT HOLDS PRESENT (<72 hours): Y N N/A				Lab Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: Cooler 1 Temp Upon Receipt: oC Cooler 1 Therm Corr. Factor: oC Cooler 1 Corrected Temp: oC Comments:  Trip Blank Received: Y N NA HCL MeOH TSP Other  Non Conformance(s): YES / NO Page: Page 44 of 48 of:							
				Packing Material Used:				Lab Tracking #: 2763417											
				Radchem sample(s) screened (<500 cpm): Y N NA				Samples received via: FEDEX UPS Client Courier Pace Courier											
Relinquished by/Company: (Signature) Marshal Toffe TRC				Date/Time: 4/1 12:00		Received by/Company: (Signature) [Signature]				Date/Time: 4-2-22 1105		MTJL LAB USE ONLY							
Relinquished by/Company: (Signature) Fed ex				Date/Time: 4-2-22 1105		Received by/Company: (Signature) [Signature]				Date/Time: 4-2-22 1105		Table #:							
Relinquished by/Company: (Signature)				Date/Time:		Received by/Company: (Signature)				Date/Time:		Acctnum:							
												Template:							
												Prelogin:							
												PM:							
												PB:							



<div><b>CHAIN-OF-CUSTODY Analytical Request Document</b></div> <div>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</div>										<div>LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here</div> <div>40242796</div> <div>ALL SHADED AREAS are for LAB USE ONLY</div>																			
Company: TRC					Billing Information:					Container Preservative Type **										Lab Project Manager:									
Address: 708 Heartland Trail #3000					Report To: Marshal Toffe					Email To: mtoffe@trccompanies.com					** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other														
Copy To: M. Westover & J. Tueddaly					Site Collection Info/Address: 400 N. West St.					State: MO County/City: St. Louis Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET					Analyses										Lab Profile/Line:				
Customer Project Name/Number: Sikeson Aramark 255308					Phone: 608-630-4732 Site/Facility ID #: Email: mtoffe@trccompanies.com					Compliance Monitoring? [ ] Yes [ ] No					Lab Sample Receipt Checklist:														
Collected By (print): Marshal Toffe					Purchase Order #: Quote #:					DW PWS ID #: DW Location Code:					Custody Seals Present/Intact Y N NA														
Collected By (signature): [Signature]					Turnaround Date Required: standard					Immediately Packed on Ice: [X] Yes [ ] No					Custody Signatures Present Y N NA														
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:					Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)					Field Filtered (if applicable): [ ] Yes [X] No					Collector Signature Present Y N NA														
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)					Analysis:					Bottles Intact Y N NA																			
Customer Sample ID		Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Correct Bottles Y N NA																			
				Date Time		Date Time				Sufficient Volume Y N NA																			
MW-20		6W	Grab	3/30 12:50					3	Samples Received on Ice Y N NA																			
MW-21				3/30 14:55					3	VOA - Headspace Acceptable Y N NA																			
FB-01				3/28 18:05					3	USDA Regulated Soils Y N NA																			
FB-02				3/30 17:00					3	Samples in Holding Time Y N NA																			
FB-03				3/31 10:00					3	Residual Chlorine Present Y N NA																			
Dup-01									3	Cl Strips: Y N NA																			
Dup-02									3	Sample pH Acceptable Y N NA																			
Dup-03									3	pH Strips: Y N NA																			
Trip Blank H2O&HCl									2	Sulfide Present Y N NA																			
Customer Remarks / Special Conditions / Possible Hazards: Special list VOCs. See QAPP										Type of Ice Used: Wet Blue Dry None					SHORT HOLDS PRESENT (<72 hours): Y N N/A					Lab Sample Temperature Info:									
										Packing Material Used:					Lab Tracking #: 2763418					Temp Blank Received: Y N NA									
										Radchem sample(s) screened (<500 cpm): Y N NA					Samples received via: FEDEX UPS Client Courier Pace Courier					Therm ID#: oC									
Relinquished by/Company: (Signature) [Signature] TRC					Date/Time: 4/1 12:06					Received by/Company: (Signature) [Signature]					Date/Time: 4-2-22 1105					Cooler 1 Temp Upon Receipt: oC									
Relinquished by/Company: (Signature) FedEx					Date/Time: 4-2-22 1105					Received by/Company: (Signature) [Signature]					Date/Time: 4-2-22 1105					Cooler 1 Therm Corr. Factor: oC									
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					Cooler 1 Corrected Temp: oC									
																				Comments: [Signature]									
																				Trip Blank Received: Y N NA									
																				HCL MeOH TSP Other									
																				Non Conformance(s): YES / NO									
																				Page: Page 45 of 48									



### Sample Preservation Receipt Form

Client Name: TRC

Project # 40242796

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Lab Lot or pH paper:								Lab Lot and preservation (pH adjusted):																				pH after adjusted	Volume (mL)				
	Glass								Plastic					Vials			Jars		General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2									
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN								
001																	3																	2.5 / 5 / 10
002																	3																	2.5 / 5 / 10
003																	3																	2.5 / 5 / 10
004																	3																	2.5 / 5 / 10
005																	3																	2.5 / 5 / 10
006																	6																	2.5 / 5 / 10
007																	3																	2.5 / 5 / 10
008																	3																	2.5 / 5 / 10
009																	3																	2.5 / 5 / 10
010																	3																	2.5 / 5 / 10
011																	3																	2.5 / 5 / 10
012																	3																	2.5 / 5 / 10
013																	6																	2.5 / 5 / 10
014																	3																	2.5 / 5 / 10
015																	3																	2.5 / 5 / 10
016																	3																	2.5 / 5 / 10
017																	3																	2.5 / 5 / 10
018																	3																	2.5 / 5 / 10
019																	3																	2.5 / 5 / 10
020																	3																	2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

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1 of 2

### Sample Preservation Receipt Form

Client Name: TRC

Project #:

40242796

Pace Lab #	Glass								Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H <sub>2</sub> SO <sub>4</sub> pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO <sub>3</sub> pH ≤2	pH after adjusted	Volume (mL)	
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
021																	3															2.5 / 5 / 10	
022																	3															2.5 / 5 / 10	
023																	3											3				2.5 / 5 / 10	
024																	3															2.5 / 5 / 10	
025																	3															2.5 / 5 / 10	
026																	3															2.5 / 5 / 10	
027																	3															2.5 / 5 / 10	
028																	3															2.5 / 5 / 10	
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### Sample Condition Upon Receipt Form (SCUR)

Client Name: TRC

Project #:

WO#: 40242796



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

Tracking #: 2715 4740 4967

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

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

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

Thermometer Used SR-116 Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 / Corr: 4.1

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:

Date: 4-2-22 / Initials: JP

Labeled By Initials: JP

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>TRC</u>	<u>4-2-22 JP</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Pg #</u>	<u>4-2-22 JP</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. <u>021 1 Broken vial</u>	<u>4-2-22 JP</u>
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>023 No ID, 006 "1043" 013 "17:15"</u>	<u>4-2-22 JP</u>
-Includes date/time/ID/Analysis Matrix: <u>U</u>			
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased): <u>477</u>			

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

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

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

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## Memorandum

**To:** Meredith Westover

**From:** Jeanette Daniels (data reviewer)  
Kristen Morin (peer reviewer)

**Date:** April 13, 2022

**Subject:** Data Validation Review  
Groundwater Samples  
Aramark – Sikeston, MO  
Laboratory Project Number 40242796

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### SUMMARY

Limited validation was performed on the data for 25 groundwater samples, three field blanks, and one trip blank collected at Aramark - Sikeston in Sikeston, Missouri. The samples were collected on March 28, 29, 30 and 31, 2022 and were submitted to Pace Analytical Services, LLC in Green Bay, Wisconsin for analysis. The samples were analyzed for volatile organic compounds (VOCs) using SW-846 Method 8260.

The laboratory reported the results under laboratory project number 40242796. The sample results were assessed using the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005)*, November 2020.

In general, the data appear valid as reported and may be used for decision-making purposes. The following issues were noted which has a minor impact on the data usability:

- Select results were reported which were below the lowest calibration standard; these results were qualified as estimated (J).
- Potential low bias exists for the nondetect results in sample FB-01 due to headspace greater than 6mm present in all sample vials; these nondetect results were qualified as estimated (UJ).

### SAMPLES

Samples included in this review are listed below:

MW-01	MW-03	MW-03IS	MW-03IDR	MW-06
MW-06IS	MW-07	MW-08	MW-08ID	MW-08IS
MW-09	MW-11	MW-13	MW-13ID	MW-13IS
MW-16	MW-17	MW-18ID	MW-18IS	MW-19
MW-20	MW-21	FB-01	FB-02	FB-03
DUP-01 <sup>1</sup>	DUP-02 <sup>2</sup>	DUP-03 <sup>3</sup>	TRIP BLANK	

<sup>1</sup> Field duplicate of MW-07

<sup>2</sup> Field duplicate of MW-09

<sup>3</sup> Field duplicate of MW-03

## REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with chain-of-custody (COC) requests
- Data completeness
- Holding times and sample preservation
- Blanks
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Laboratory control sample (LCS) results
- Laboratory duplicate results
- Field duplicate results
- Quantitation limits (QLs) and sample results

## DISCUSSION

### Agreement of Analyses Conducted with COC Requests

Sample reports were checked to verify that the results corresponded to analytical requests as designated on the COC. The laboratory indicated that select sample IDs were missing on the sample labels and select collection times listed on the sample labels did not match the COC; the laboratory logged in all sample IDs and collection times according to the COC. No other issues were noted.

### Data Completeness

The data package was found to be complete as received from the laboratory with the following exceptions:

- The laboratory only spiked a subset of the VOCs which were reported in the samples in the LCSs and MS/MSD; thus, accuracy and/or precision could not be evaluated for select VOCs.
- Total xylenes was not reported by the laboratory in sample MW-13. The laboratory was contacted during validation and provided a revised report to correct this issue.
- The laboratory provided method blank and LCS results that were analyzed >12 hours prior to the VOC analysis of sample MW-08ID.

No validation actions were taken on the basis of these issues.

### Holding Times and Sample Preservation

All samples were analyzed within the method-specified holding time. The cooler temperature was within the acceptance criteria upon receipt at the laboratory.

The laboratory reported that all three vials associated with sample FB-01 arrived at the laboratory with greater than 6 mm of headspace. All nondetect results from this sample were qualified as estimated (UJ).

## **Blanks**

A method blank was analyzed each day prior to samples. However, the laboratory reported a batch method blank that was analyzed >12 hours prior to sample MW-08ID. The results for VOCs in the batch method blank associated with this sample were used to evaluate the results. No validation action was taken on this basis.

There were no target analytes found in the trip blank, field blanks, or laboratory method blanks.

## **Surrogate Spike Recoveries**

The percent recoveries (%Rs) of the surrogates were within the acceptance criteria.

## **MS/MSD Results**

MS/MSD analyses were performed on samples MW-06IS and MW-13. The %Rs and relative percent differences (RPDs) were within the acceptance criteria. Note that the laboratory only spiked a subset of the VOCs which were reported in the samples in the MS/MSDs. Thus, accuracy and precision could not be evaluated for the following VOCs in groundwater samples MW-06IS and MW-13: 1,2,3-trichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-chlorotoluene, 4-chlorotoluene, n-butylbenzene, n-propylbenzene, naphthalene, p-isopropyltoluene, sec-butylbenzene, and tert-butylbenzene. No validation action was taken on this basis.

## **LCS Results**

An LCS was analyzed each day prior to samples. However, the laboratory reported a batch LCS that was analyzed >12 hours prior to sample MW-08ID. The results for VOCs in the batch LCS associated with this sample were used to evaluate the results. No validation action was taken on this basis. All %Rs were within the laboratory acceptance criteria.

Note that the laboratory only spiked a subset of the VOCs that were reported in the samples in the LCSs. Thus, accuracy could not be evaluated for the following VOCs in all groundwater samples: 1,2,3-trichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-chlorotoluene, 4-chlorotoluene, n-butylbenzene, n-propylbenzene, naphthalene, p-isopropyltoluene, sec-butylbenzene, and tert-butylbenzene. No validation action was taken on this basis.

## **Laboratory Duplicate Results**

Laboratory duplicates were not performed on samples in this data set.

## **Field Duplicate Results**

Samples MW-07/DUP-01, MW-09/DUP-02 and MW-03/DUP-03 were submitted as the field duplicate pairs with this sample set. The following tables summarize the RPDs or absolute differences (AbsDs), where applicable, of the detected compounds in the field duplicate pairs. All criteria were met except as noted below for trans-1,2-dichloroethene. The following criteria were used in the comparison of the field duplicate results:

- When both results are  $\geq 5x$  the QL, RPDs must be  $\leq 30\%$ .

- When one or both results are < 5x the QL, AbsD must be < the QL.
- When one result is nondetect, the nondetect result is represented by the QL value in calculating the AbsD.

Analyte	QLs (µg/L)	MW-07 (µg/L)	DUP-01 (µg/L)	RPD (%) or AbsD (µg/L)
Tetrachloroethene	1.0/5.0	231	208	RPD: 11 (≤30%)
Trichloroethene	1.0/5.0	46.6	42.8	RPD: 8.5 (≤30%)
cis-1,2-Dichloroethene	1.0/5.0	98.3	86.9	RPD: 12 (≤30%)
trans-1,2-Dichloroethene	1.0/5.0	2.2	5.0 U	AbsD: 2.8 (*)

Analyte	QLs (µg/L)	MW-09 (µg/L)	DUP-02 (µg/L)	RPD (%) or AbsD (µg/L)
Tetrachloroethene	2.0/2.0	125	117	RPD: 6.6 (≤30%)
Trichloroethene	2.0/2.0	15.0	14.8	RPD: 1.3 (≤30%)
cis-1,2-Dichloroethene	2.0/2.0	19.1	18.3	RPD: 4.3 (≤30%)

Analyte	QLs (µg/L)	MW-03 (µg/L)	DUP-03 (µg/L)	RPD (%) or AbsD (µg/L)
Tetrachloroethene	5.0/10	621	582	RPD: 6.5 (≤30%)
Trichloroethene	5.0/10	50.3	45.2	RPD: 11 (≤30%)
cis-1,2-Dichloroethene	5.0/10	86.1	81.3	RPD: 5.7 (≤30%)
trans-1,2-Dichloroethene	5.0/10	2.7 J	10 U	AbsD: 7.3 (*)

\*Although the AbsDs of trans-1,2-dichloroethene in the field duplicate pairs MW-07/DUP-01 and MW-03/DUP-03 were > QLs of the original samples, the AbsDs were < QLs of the field duplicate samples. Since the parent and field duplicate samples were analyzed at different dilutions, and since the AbsDs of trans-1,2-dichloroethene in the field duplicate pairs MW-07/DUP-01 and MW-03/DUP-03 were < the QL of the field duplicate samples, professional judgement was used and no validation action was taken on this basis.

### Quantitation Limits and Sample Results

Select results were reported which were below the lowest calibration standard level and QL. These results were qualified as estimated (J) by the laboratory.

The following table summarizes the dilutions performed on samples in this data set. The QLs for these samples were elevated accordingly and may exceed the project action levels in certain instances.

Sample ID(s)	Dilution Factor	Reason for Dilution
MW-06, MW-09, DUP-02	2-fold	Dilutions were performed due to the concentrations of target analytes, which likely would have exceeded or been close to exceeding the calibration range if analyzed undiluted.
MW-03, DUP-01	5-fold	
DUP-03	10-fold	



# **QUALIFIED FORM 1s**



## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-01**      **Lab ID: 40242796001**      Collected: 03/30/22 15:50      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 11:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 11:56	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 11:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 11:56	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 11:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 11:56	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 11:56	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 11:56	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 11:56	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 11:56	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 11:56	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 11:56	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 11:56	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 11:56	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 11:56	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 11:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 11:56	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 11:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 11:56	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 11:56	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 11:56	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 11:56	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 11:56	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 11:56	100-42-5	
Tetrachloroethene	4.3	ug/L	1.0	0.41	1		04/06/22 11:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 11:56	108-88-3	
Trichloroethene	0.66J	ug/L	1.0	0.32	1		04/06/22 11:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 11:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 11:56	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 11:56	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 11:56	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 11:56	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 11:56	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 11:56	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 11:56	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 11:56	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 11:56	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 11:56	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 11:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/06/22 11:56	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 11:56	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-03**      **Lab ID: 40242796002**      Collected: 03/31/22 09:35      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		04/06/22 14:31	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		04/06/22 14:31	79-00-5	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		04/06/22 14:31	75-35-4	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		04/06/22 14:31	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/06/22 14:31	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		04/06/22 14:31	95-63-6	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		04/06/22 14:31	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	107-06-2	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	541-73-1	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		04/06/22 14:31	106-46-7	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		04/06/22 14:31	95-49-8	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		04/06/22 14:31	106-43-4	
Benzene	<1.5	ug/L	5.0	1.5	5		04/06/22 14:31	71-43-2	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		04/06/22 14:31	108-90-7	
Chloroform	<5.9	ug/L	25.0	5.9	5		04/06/22 14:31	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		04/06/22 14:31	74-87-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		04/06/22 14:31	100-41-4	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		04/06/22 14:31	98-82-8	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		04/06/22 14:31	75-09-2	
Naphthalene	<5.6	ug/L	25.0	5.6	5		04/06/22 14:31	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		04/06/22 14:31	100-42-5	
Tetrachloroethene	621	ug/L	5.0	2.0	5		04/06/22 14:31	127-18-4	
Toluene	<1.4	ug/L	5.0	1.4	5		04/06/22 14:31	108-88-3	
Trichloroethene	50.3	ug/L	5.0	1.6	5		04/06/22 14:31	79-01-6	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/06/22 14:31	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		04/06/22 14:31	1330-20-7	
cis-1,2-Dichloroethene	86.1	ug/L	5.0	2.4	5		04/06/22 14:31	156-59-2	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		04/06/22 14:31	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		04/06/22 14:31	104-51-8	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		04/06/22 14:31	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		04/06/22 14:31	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		04/06/22 14:31	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		04/06/22 14:31	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		04/06/22 14:31	98-06-6	
trans-1,2-Dichloroethene	2.7J	ug/L	5.0	2.6	5		04/06/22 14:31	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		5		04/06/22 14:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		5		04/06/22 14:31	2199-69-1	
Toluene-d8 (S)	105	%	70-130		5		04/06/22 14:31	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-03IS**      **Lab ID: 40242796003**      Collected: 03/31/22 10:25      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 12:15	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 12:15	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 12:15	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 12:15	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 12:15	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:15	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 12:15	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:15	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 12:15	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:15	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 12:15	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 12:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:15	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 12:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 12:15	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:15	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 12:15	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 12:15	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 12:15	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:15	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 12:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 12:15	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 12:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 12:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 12:15	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 12:15	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 12:15	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:15	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:15	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:15	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:15	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 12:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 12:15	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 12:15	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/06/22 12:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/06/22 12:15	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/06/22 12:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-03IDR**      **Lab ID: 40242796004**      Collected: 03/31/22 11:35      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 12:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 12:35	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 12:35	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 12:35	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 12:35	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:35	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 12:35	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:35	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 12:35	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:35	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 12:35	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 12:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:35	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 12:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 12:35	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:35	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 12:35	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 12:35	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 12:35	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 12:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 12:35	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 12:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 12:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 12:35	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 12:35	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 12:35	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:35	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:35	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:35	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:35	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 12:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 12:35	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 12:35	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/06/22 12:35	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/06/22 12:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-06**      **Lab ID: 40242796005**      Collected: 03/30/22 11:10      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/06/22 14:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/06/22 14:51	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/06/22 14:51	79-00-5	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/06/22 14:51	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/06/22 14:51	75-35-4	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/06/22 14:51	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/06/22 14:51	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/06/22 14:51	95-63-6	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 14:51	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/06/22 14:51	107-06-2	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/06/22 14:51	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/06/22 14:51	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/06/22 14:51	106-46-7	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 14:51	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 14:51	106-43-4	
Benzene	<0.59	ug/L	2.0	0.59	2		04/06/22 14:51	71-43-2	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/06/22 14:51	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 14:51	108-90-7	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/06/22 14:51	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/06/22 14:51	74-87-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 14:51	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/06/22 14:51	98-82-8	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/06/22 14:51	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/06/22 14:51	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/06/22 14:51	100-42-5	
Tetrachloroethene	149	ug/L	2.0	0.82	2		04/06/22 14:51	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		04/06/22 14:51	108-88-3	
Trichloroethene	31.6	ug/L	2.0	0.64	2		04/06/22 14:51	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/06/22 14:51	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/06/22 14:51	1330-20-7	
cis-1,2-Dichloroethene	8.1	ug/L	2.0	0.94	2		04/06/22 14:51	156-59-2	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/06/22 14:51	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 14:51	104-51-8	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/06/22 14:51	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/06/22 14:51	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/06/22 14:51	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/06/22 14:51	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/06/22 14:51	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	2.0	1.1	2		04/06/22 14:51	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		2		04/06/22 14:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		2		04/06/22 14:51	2199-69-1	
Toluene-d8 (S)	104	%	70-130		2		04/06/22 14:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-06IS**      **Lab ID: 40242796006**      Collected: 03/30/22 10:40      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:54	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 12:54	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 12:54	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 12:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 12:54	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:54	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 12:54	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 12:54	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:54	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 12:54	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:54	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:54	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 12:54	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:54	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 12:54	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 12:54	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 12:54	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:54	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 12:54	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 12:54	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 12:54	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 12:54	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 12:54	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 12:54	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 12:54	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 12:54	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 12:54	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 12:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 12:54	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 12:54	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 12:54	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 12:54	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 12:54	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:54	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 12:54	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 12:54	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 12:54	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 12:54	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 12:54	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 12:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/06/22 12:54	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/06/22 12:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-07**      **Lab ID: 40242796007**      Collected: 03/30/22 09:40      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 13:13	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 13:13	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 13:13	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 13:13	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 13:13	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:13	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 13:13	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:13	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:13	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 13:13	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:13	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:13	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 13:13	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 13:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:13	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 13:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 13:13	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:13	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 13:13	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 13:13	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 13:13	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:13	100-42-5	
Tetrachloroethene	231	ug/L	1.0	0.41	1		04/06/22 13:13	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 13:13	108-88-3	
Trichloroethene	46.6	ug/L	1.0	0.32	1		04/06/22 13:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 13:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 13:13	1330-20-7	
cis-1,2-Dichloroethene	98.3	ug/L	1.0	0.47	1		04/06/22 13:13	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 13:13	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:13	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:13	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:13	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:13	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 13:13	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 13:13	98-06-6	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.53	1		04/06/22 13:13	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 13:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/06/22 13:13	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 13:13	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-08**      **Lab ID: 40242796008**      Collected: 03/29/22 18:25      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 13:33	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 13:33	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 13:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 13:33	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:33	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 13:33	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 13:33	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:33	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 13:33	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:33	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:33	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 13:33	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:33	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 13:33	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 13:33	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 13:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:33	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 13:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 13:33	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 13:33	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 13:33	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 13:33	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 13:33	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 13:33	100-42-5	
Tetrachloroethene	22.0	ug/L	1.0	0.41	1		04/06/22 13:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 13:33	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.32	1		04/06/22 13:33	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 13:33	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 13:33	1330-20-7	
cis-1,2-Dichloroethene	0.53J	ug/L	1.0	0.47	1		04/06/22 13:33	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 13:33	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 13:33	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:33	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 13:33	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 13:33	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 13:33	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 13:33	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 13:33	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 13:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 13:33	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 13:33	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-08ID**      **Lab ID: 40242796009**      Collected: 03/29/22 19:50      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 09:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 09:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 09:27	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 09:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 09:27	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 09:27	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 09:27	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 09:27	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 09:27	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 09:27	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 09:27	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 09:27	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 09:27	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 09:27	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 09:27	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 09:27	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 09:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 09:27	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 09:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 09:27	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 09:27	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 09:27	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 09:27	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 09:27	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 09:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 09:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 09:27	108-88-3	
Trichloroethene	2.7	ug/L	1.0	0.32	1		04/07/22 09:27	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 09:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 09:27	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 09:27	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 09:27	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 09:27	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 09:27	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 09:27	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 09:27	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 09:27	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 09:27	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 09:27	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/07/22 09:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/07/22 09:27	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 09:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-08IS**      **Lab ID: 40242796010**      Collected: 03/29/22 19:10      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 14:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 14:12	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 14:12	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 14:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 14:12	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 14:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 14:12	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 14:12	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 14:12	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 14:12	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 14:12	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 14:12	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 14:12	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 14:12	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 14:12	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 14:12	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 14:12	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 14:12	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 14:12	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 14:12	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 14:12	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 14:12	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 14:12	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 14:12	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 14:12	100-42-5	
Tetrachloroethene	15.0	ug/L	1.0	0.41	1		04/06/22 14:12	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 14:12	108-88-3	
Trichloroethene	34.0	ug/L	1.0	0.32	1		04/06/22 14:12	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 14:12	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 14:12	1330-20-7	
cis-1,2-Dichloroethene	5.8	ug/L	1.0	0.47	1		04/06/22 14:12	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 14:12	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 14:12	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 14:12	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 14:12	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 14:12	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 14:12	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 14:12	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 14:12	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/06/22 14:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 14:12	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/06/22 14:12	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-09**      **Lab ID: 40242796011**      Collected: 03/30/22 16:45      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/06/22 15:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/06/22 15:10	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/06/22 15:10	79-00-5	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/06/22 15:10	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/06/22 15:10	75-35-4	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/06/22 15:10	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/06/22 15:10	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/06/22 15:10	95-63-6	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 15:10	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/06/22 15:10	107-06-2	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/06/22 15:10	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/06/22 15:10	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/06/22 15:10	106-46-7	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 15:10	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/06/22 15:10	106-43-4	
Benzene	<0.59	ug/L	2.0	0.59	2		04/06/22 15:10	71-43-2	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/06/22 15:10	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 15:10	108-90-7	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/06/22 15:10	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/06/22 15:10	74-87-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/06/22 15:10	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/06/22 15:10	98-82-8	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/06/22 15:10	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/06/22 15:10	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/06/22 15:10	100-42-5	
Tetrachloroethene	125	ug/L	2.0	0.82	2		04/06/22 15:10	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		04/06/22 15:10	108-88-3	
Trichloroethene	15.0	ug/L	2.0	0.64	2		04/06/22 15:10	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/06/22 15:10	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/06/22 15:10	1330-20-7	
cis-1,2-Dichloroethene	19.1	ug/L	2.0	0.94	2		04/06/22 15:10	156-59-2	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/06/22 15:10	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/06/22 15:10	104-51-8	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/06/22 15:10	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/06/22 15:10	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/06/22 15:10	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/06/22 15:10	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/06/22 15:10	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	2.0	1.1	2		04/06/22 15:10	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		2		04/06/22 15:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		2		04/06/22 15:10	2199-69-1	
Toluene-d8 (S)	105	%	70-130		2		04/06/22 15:10	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-11**      **Lab ID: 40242796012**      Collected: 03/30/22 14:05      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 16:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 16:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 16:59	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 16:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 16:59	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 16:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 16:59	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 16:59	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 16:59	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 16:59	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 16:59	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 16:59	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 16:59	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 16:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 16:59	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 16:59	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 16:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 16:59	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 16:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 16:59	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 16:59	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 16:59	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 16:59	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 16:59	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 16:59	100-42-5	
Tetrachloroethene	2.2	ug/L	1.0	0.41	1		04/06/22 16:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 16:59	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 16:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 16:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 16:59	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 16:59	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 16:59	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 16:59	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 16:59	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 16:59	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 16:59	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 16:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 16:59	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 16:59	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 16:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/06/22 16:59	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/06/22 16:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-13**      **Lab ID: 40242796013**      Collected: 03/29/22 17:13      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 12:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 12:43	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 12:43	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 12:43	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 12:43	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 12:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 12:43	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 12:43	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 12:43	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 12:43	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 12:43	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 12:43	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 12:43	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 12:43	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 12:43	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 12:43	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 12:43	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 12:43	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 12:43	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 12:43	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 12:43	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 12:43	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 12:43	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 12:43	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 12:43	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 12:43	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 12:43	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 12:43	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 12:43	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 12:43	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 12:43	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 12:43	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 12:43	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 12:43	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 12:43	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 12:43	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 12:43	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 12:43	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 12:43	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/07/22 12:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/07/22 12:43	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/07/22 12:43	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-13ID**      **Lab ID: 40242796014**      Collected: 03/29/22 12:07      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 17:19	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 17:19	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 17:19	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 17:19	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 17:19	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:19	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 17:19	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:19	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:19	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 17:19	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:19	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:19	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 17:19	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 17:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:19	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 17:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 17:19	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:19	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 17:19	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 17:19	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 17:19	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:19	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 17:19	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 17:19	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 17:19	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 17:19	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 17:19	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 17:19	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 17:19	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:19	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:19	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:19	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:19	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 17:19	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 17:19	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 17:19	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 17:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/06/22 17:19	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/06/22 17:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-13IS**      **Lab ID: 40242796015**      Collected: 03/29/22 18:20      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 17:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 17:38	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 17:38	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 17:38	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 17:38	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:38	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 17:38	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:38	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:38	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 17:38	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:38	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:38	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 17:38	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 17:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:38	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 17:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 17:38	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:38	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 17:38	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 17:38	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 17:38	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 17:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 17:38	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 17:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 17:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 17:38	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 17:38	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 17:38	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:38	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:38	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:38	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:38	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 17:38	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 17:38	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 17:38	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 17:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/06/22 17:38	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/06/22 17:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-16**      **Lab ID: 40242796016**      Collected: 03/30/22 12:05      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 17:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 17:57	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 17:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 17:57	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 17:57	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 17:57	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:57	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 17:57	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:57	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 17:57	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 17:57	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 17:57	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 17:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:57	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 17:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 17:57	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 17:57	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 17:57	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 17:57	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 17:57	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 17:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 17:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 17:57	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 17:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 17:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 17:57	1330-20-7	
cis-1,2-Dichloroethene	0.62J	ug/L	1.0	0.47	1		04/06/22 17:57	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 17:57	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 17:57	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:57	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 17:57	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 17:57	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 17:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 17:57	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 17:57	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 17:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 17:57	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		04/06/22 17:57	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-17**      **Lab ID: 40242796017**      Collected: 03/30/22 07:20      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 18:17	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 18:17	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 18:17	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:17	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 18:17	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 18:17	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:17	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 18:17	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:17	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:17	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 18:17	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:17	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:17	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 18:17	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 18:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:17	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 18:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 18:17	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:17	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 18:17	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 18:17	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 18:17	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:17	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 18:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 18:17	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 18:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 18:17	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 18:17	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 18:17	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 18:17	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:17	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:17	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:17	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:17	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 18:17	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 18:17	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 18:17	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/06/22 18:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/06/22 18:17	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/06/22 18:17	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-18ID**      **Lab ID: 40242796018**      Collected: 03/30/22 08:07      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 18:36	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 18:36	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 18:36	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 18:36	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 18:36	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:36	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 18:36	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:36	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 18:36	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:36	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 18:36	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 18:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:36	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 18:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 18:36	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:36	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 18:36	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 18:36	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 18:36	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:36	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 18:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 18:36	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 18:36	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 18:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 18:36	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 18:36	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 18:36	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:36	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:36	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:36	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:36	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 18:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 18:36	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 18:36	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/06/22 18:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/06/22 18:36	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/06/22 18:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-18IS**      **Lab ID: 40242796019**      Collected: 03/30/22 08:45      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 18:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 18:56	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 18:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 18:56	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 18:56	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 18:56	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:56	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 18:56	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:56	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:56	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 18:56	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:56	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 18:56	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 18:56	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 18:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:56	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 18:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 18:56	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 18:56	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 18:56	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 18:56	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 18:56	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 18:56	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 18:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 18:56	108-88-3	
Trichloroethene	0.68J	ug/L	1.0	0.32	1		04/06/22 18:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 18:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 18:56	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 18:56	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 18:56	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 18:56	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:56	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 18:56	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 18:56	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 18:56	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 18:56	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 18:56	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/06/22 18:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/06/22 18:56	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 18:56	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-19**      **Lab ID: 40242796020**      Collected: 03/31/22 12:35      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 19:15	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 19:15	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 19:15	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 19:15	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 19:15	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:15	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 19:15	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:15	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 19:15	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:15	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 19:15	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 19:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:15	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 19:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 19:15	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:15	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 19:15	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 19:15	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 19:15	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:15	100-42-5	
Tetrachloroethene	1.1	ug/L	1.0	0.41	1		04/06/22 19:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 19:15	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 19:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 19:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 19:15	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 19:15	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 19:15	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:15	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:15	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:15	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:15	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 19:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 19:15	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 19:15	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/06/22 19:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/06/22 19:15	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 19:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-20**      **Lab ID: 40242796021**      Collected: 03/30/22 12:50      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/06/22 19:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/06/22 19:35	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/06/22 19:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/06/22 19:35	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/06/22 19:35	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/06/22 19:35	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:35	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/06/22 19:35	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:35	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/06/22 19:35	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/06/22 19:35	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/06/22 19:35	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/06/22 19:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:35	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/06/22 19:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/06/22 19:35	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/06/22 19:35	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/06/22 19:35	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/06/22 19:35	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/06/22 19:35	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/06/22 19:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/06/22 19:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/06/22 19:35	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/06/22 19:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/06/22 19:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/06/22 19:35	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/06/22 19:35	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/06/22 19:35	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/06/22 19:35	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:35	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/06/22 19:35	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/06/22 19:35	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/06/22 19:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/06/22 19:35	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/06/22 19:35	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/06/22 19:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/06/22 19:35	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/06/22 19:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: MW-21**      **Lab ID: 40242796022**      Collected: 03/30/22 14:55      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 13:02	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 13:02	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 13:02	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:02	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 13:02	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 13:02	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:02	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 13:02	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:02	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:02	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 13:02	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:02	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:02	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 13:02	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 13:02	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:02	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 13:02	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 13:02	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:02	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 13:02	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 13:02	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 13:02	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:02	100-42-5	
Tetrachloroethene	2.1	ug/L	1.0	0.41	1		04/07/22 13:02	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 13:02	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 13:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 13:02	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 13:02	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 13:02	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 13:02	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:02	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:02	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:02	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:02	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 13:02	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 13:02	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 13:02	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/07/22 13:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/07/22 13:02	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		04/07/22 13:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: FB-01**      **Lab ID: 40242796023**      Collected: 03/28/22 18:05      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 20:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 20:09	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 20:09	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 20:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 20:09	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 20:09	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 20:09	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 20:09	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 20:09	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 20:09	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 20:09	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 20:09	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 20:09	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 20:09	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 20:09	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 20:09	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 20:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 20:09	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 20:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 20:09	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 20:09	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 20:09	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 20:09	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 20:09	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 20:09	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 20:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 20:09	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 20:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 20:09	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 20:09	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 20:09	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 20:09	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 20:09	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 20:09	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 20:09	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 20:09	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 20:09	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 20:09	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 20:09	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/07/22 20:09	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/07/22 20:09	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 20:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: FB-02**      **Lab ID: 40242796024**      Collected: 03/30/22 17:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 13:22	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 13:22	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 13:22	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 13:22	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 13:22	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:22	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 13:22	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:22	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 13:22	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:22	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 13:22	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 13:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:22	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 13:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 13:22	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:22	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 13:22	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 13:22	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 13:22	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:22	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 13:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 13:22	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 13:22	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 13:22	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 13:22	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 13:22	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 13:22	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:22	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:22	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:22	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:22	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 13:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 13:22	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 13:22	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/07/22 13:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/07/22 13:22	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 13:22	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: FB-03**      **Lab ID: 40242796025**      Collected: 03/31/22 10:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 13:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 13:42	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 13:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 13:42	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:42	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 13:42	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 13:42	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:42	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 13:42	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:42	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:42	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 13:42	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:42	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 13:42	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 13:42	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 13:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:42	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 13:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 13:42	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 13:42	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 13:42	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 13:42	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 13:42	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 13:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 13:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 13:42	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 13:42	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 13:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 13:42	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 13:42	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 13:42	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 13:42	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:42	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 13:42	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 13:42	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 13:42	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 13:42	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 13:42	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/07/22 13:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/07/22 13:42	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/07/22 13:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: DUP-01**      **Lab ID: 40242796026**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		04/07/22 20:48	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		04/07/22 20:48	79-00-5	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		04/07/22 20:48	75-35-4	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		04/07/22 20:48	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		04/07/22 20:48	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		04/07/22 20:48	95-63-6	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		04/07/22 20:48	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	107-06-2	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	541-73-1	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		04/07/22 20:48	106-46-7	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		04/07/22 20:48	95-49-8	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		04/07/22 20:48	106-43-4	
Benzene	<1.5	ug/L	5.0	1.5	5		04/07/22 20:48	71-43-2	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		04/07/22 20:48	108-90-7	
Chloroform	<5.9	ug/L	25.0	5.9	5		04/07/22 20:48	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		04/07/22 20:48	74-87-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		04/07/22 20:48	100-41-4	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		04/07/22 20:48	98-82-8	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		04/07/22 20:48	75-09-2	
Naphthalene	<5.6	ug/L	25.0	5.6	5		04/07/22 20:48	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		04/07/22 20:48	100-42-5	
Tetrachloroethene	208	ug/L	5.0	2.0	5		04/07/22 20:48	127-18-4	
Toluene	<1.4	ug/L	5.0	1.4	5		04/07/22 20:48	108-88-3	
Trichloroethene	42.8	ug/L	5.0	1.6	5		04/07/22 20:48	79-01-6	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		04/07/22 20:48	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		04/07/22 20:48	1330-20-7	
cis-1,2-Dichloroethene	86.9	ug/L	5.0	2.4	5		04/07/22 20:48	156-59-2	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		04/07/22 20:48	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		04/07/22 20:48	104-51-8	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		04/07/22 20:48	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		04/07/22 20:48	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		04/07/22 20:48	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		04/07/22 20:48	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		04/07/22 20:48	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	5.0	2.6	5		04/07/22 20:48	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		5		04/07/22 20:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		5		04/07/22 20:48	2199-69-1	
Toluene-d8 (S)	104	%	70-130		5		04/07/22 20:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: DUP-02**      **Lab ID: 40242796027**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		04/07/22 21:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		04/07/22 21:07	79-34-5	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		04/07/22 21:07	79-00-5	
1,1-Dichloroethane	<0.59	ug/L	2.0	0.59	2		04/07/22 21:07	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		04/07/22 21:07	75-35-4	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		04/07/22 21:07	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/07/22 21:07	120-82-1	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		04/07/22 21:07	95-63-6	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		04/07/22 21:07	95-50-1	
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		04/07/22 21:07	107-06-2	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		04/07/22 21:07	108-67-8	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		04/07/22 21:07	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		04/07/22 21:07	106-46-7	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/07/22 21:07	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		04/07/22 21:07	106-43-4	
Benzene	<0.59	ug/L	2.0	0.59	2		04/07/22 21:07	71-43-2	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		04/07/22 21:07	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		04/07/22 21:07	108-90-7	
Chloroform	<2.4	ug/L	10.0	2.4	2		04/07/22 21:07	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		04/07/22 21:07	74-87-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		04/07/22 21:07	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		04/07/22 21:07	98-82-8	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		04/07/22 21:07	75-09-2	
Naphthalene	<2.3	ug/L	10.0	2.3	2		04/07/22 21:07	91-20-3	
Styrene	<0.71	ug/L	2.0	0.71	2		04/07/22 21:07	100-42-5	
Tetrachloroethene	117	ug/L	2.0	0.82	2		04/07/22 21:07	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		04/07/22 21:07	108-88-3	
Trichloroethene	14.8	ug/L	2.0	0.64	2		04/07/22 21:07	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/07/22 21:07	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		04/07/22 21:07	1330-20-7	
cis-1,2-Dichloroethene	18.3	ug/L	2.0	0.94	2		04/07/22 21:07	156-59-2	
m&p-Xylene	<1.4	ug/L	4.0	1.4	2		04/07/22 21:07	179601-23-1	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		04/07/22 21:07	104-51-8	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		04/07/22 21:07	103-65-1	
o-Xylene	<0.70	ug/L	2.0	0.70	2		04/07/22 21:07	95-47-6	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		04/07/22 21:07	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		04/07/22 21:07	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		04/07/22 21:07	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	2.0	1.1	2		04/07/22 21:07	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		2		04/07/22 21:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		2		04/07/22 21:07	2199-69-1	
Toluene-d8 (S)	106	%	70-130		2		04/07/22 21:07	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: DUP-03**      **Lab ID: 40242796028**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		04/07/22 16:38	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		04/07/22 16:38	79-34-5	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		04/07/22 16:38	79-00-5	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		04/07/22 16:38	75-34-3	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		04/07/22 16:38	75-35-4	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		04/07/22 16:38	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		04/07/22 16:38	120-82-1	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		04/07/22 16:38	95-63-6	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		04/07/22 16:38	95-50-1	
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		04/07/22 16:38	107-06-2	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		04/07/22 16:38	108-67-8	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		04/07/22 16:38	541-73-1	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		04/07/22 16:38	106-46-7	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/07/22 16:38	95-49-8	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		04/07/22 16:38	106-43-4	
Benzene	<3.0	ug/L	10.0	3.0	10		04/07/22 16:38	71-43-2	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		04/07/22 16:38	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		04/07/22 16:38	108-90-7	
Chloroform	<11.8	ug/L	50.0	11.8	10		04/07/22 16:38	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		04/07/22 16:38	74-87-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		04/07/22 16:38	100-41-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		04/07/22 16:38	98-82-8	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		04/07/22 16:38	75-09-2	
Naphthalene	<11.3	ug/L	50.0	11.3	10		04/07/22 16:38	91-20-3	
Styrene	<3.6	ug/L	10.0	3.6	10		04/07/22 16:38	100-42-5	
Tetrachloroethene	582	ug/L	10.0	4.1	10		04/07/22 16:38	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		04/07/22 16:38	108-88-3	
Trichloroethene	45.2	ug/L	10.0	3.2	10		04/07/22 16:38	79-01-6	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		04/07/22 16:38	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		04/07/22 16:38	1330-20-7	
cis-1,2-Dichloroethene	81.3	ug/L	10.0	4.7	10		04/07/22 16:38	156-59-2	
m&p-Xylene	<7.0	ug/L	20.0	7.0	10		04/07/22 16:38	179601-23-1	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		04/07/22 16:38	104-51-8	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		04/07/22 16:38	103-65-1	
o-Xylene	<3.5	ug/L	10.0	3.5	10		04/07/22 16:38	95-47-6	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		04/07/22 16:38	99-87-6	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		04/07/22 16:38	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		04/07/22 16:38	98-06-6	
trans-1,2-Dichloroethene	<5.3	ug/L	10.0	5.3	10		04/07/22 16:38	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		10		04/07/22 16:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		10		04/07/22 16:38	2199-69-1	
Toluene-d8 (S)	102	%	70-130		10		04/07/22 16:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 255308 SIKESTON ARAMARK

Pace Project No.: 40242796

**Sample: TRIP BLANK**      **Lab ID: 40242796029**      Collected: 03/31/22 00:00      Received: 04/02/22 11:05      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 14:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/07/22 14:01	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/07/22 14:01	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/07/22 14:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/07/22 14:01	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/07/22 14:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/07/22 14:01	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/07/22 14:01	95-63-6	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 14:01	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/07/22 14:01	107-06-2	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/07/22 14:01	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 14:01	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/07/22 14:01	106-46-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 14:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/07/22 14:01	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		04/07/22 14:01	71-43-2	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/07/22 14:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 14:01	108-90-7	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/07/22 14:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/07/22 14:01	74-87-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/07/22 14:01	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/07/22 14:01	98-82-8	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/07/22 14:01	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/07/22 14:01	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		04/07/22 14:01	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/07/22 14:01	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/07/22 14:01	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/07/22 14:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/07/22 14:01	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/07/22 14:01	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/07/22 14:01	156-59-2	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/07/22 14:01	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/07/22 14:01	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/07/22 14:01	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/07/22 14:01	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/07/22 14:01	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/07/22 14:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/07/22 14:01	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/07/22 14:01	156-60-5	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/07/22 14:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/07/22 14:01	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/07/22 14:01	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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PROJECT NAME:	Aramark-Sikeston
PROJECT NUMBER:	255308
PROJECT MANAGER:	John Tweddale
SITE LOCATION:	Sikeston, MO
DATES OF FIELDWORK:	3/28/2022 TO 3/31/2022
PURPOSE OF FIELDWORK:	March 2022 Groundwater Sampling
WORK PERFORMED BY:	Marshal Toffe

SIGNED Marshal Toffe DATE 3/28/2022

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_



## GENERAL NOTES

Mob start: 5:00

PROJECT NAME: Aramark-Sikeston	DATE: 3/28	TIME ARRIVED: 12:00
PROJECT NUMBER: 255308	AUTHOR: Marshal Tofte	TIME LEFT: 18:30

Found fittings: 20:30

WEATHER		
TEMPERATURE: 52 °F	WIND: 0-3 MPH	VISIBILITY: Good
WORK / SAMPLING PERFORMED		
5-12 - Mob to Sikeston		
- Check in with Glen Holt, Randall at the BMU, & drillers		
13:05 - Pick up water meter from BMU (paid deposit)		
- Opened wells.		
15:00-17:00 - Measured depth to water.		
17:00-17:30 - Gave cascade crew ride to hotel.		
17:30-18:30 - Set up for sampling at MW-13. Realized fitting was missing. Collected field blank FB-01.		
CW13 pumped from prior to 15:00 (I was opening wells) to 15:20.		
4/27/2022 <del>CW-7</del> pumped from approximately 15:40-16:35.		
CW-8		

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Cascade's 3rd crew member was late due to a breakdown.	Crew set up, removed MW3ID concrete pad, hand augured MW3IDR to check for utilities.
Quick detach 1/4" fitting missing from air hose.	Visited 4 stores before finding replacement fittings.

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS
M. Westover	TRC	12:26 - Confirm Abandonment.
Matt Herron	Cascade	12:30 - Confirm Abandonment method.
Wes Braga	TRC	~6:30 - Clarify quick coupler options.

Marshal Tofte

3/28/2022

SIGNED

DATE

CHECKED BY

DATE





## GENERAL NOTES

PROJECT NAME: Aramark-Sikeston	DATE: 3/29/2022	TIME ARRIVED: 7:00
PROJECT NUMBER: 255308	AUTHOR: Marshal Tofte	TIME LEFT: 20:45

WEATHER		
TEMPERATURE: <u>5</u> °F	WIND: <u>50-70</u> MPH	VISIBILITY: <u>Good</u>
WORK / SAMPLING PERFORMED		
7:30 Drillers abandoned MW-3ID. 7:50 - Drilling begins; Bottom at 9:30. 9:45 flushing sand from well, 10:05 finished flushing sand from borehole.  See page 6 for more notes.  CW-13 pumped from at least 10:50 - 12:00 CW-8 Marshal Tofte 4/27/2022 <del>CW-7</del> pumped from 16:30 until at least 17:00 and again from 18:45 - 19:50.		

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Drillers did not have a 5 ft well screen.	Waited for delivery of 5 ft screen.
Dropped bladder pump into MW-13ID.	Retrieved with fish hook/wire.

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS
7:45 Matt Herron	Cascade	Confirmed abandonment, schedule 80 PVC, IDW methods
M. Westover	TRC	Screening issue. Meredith will call Larry Yancey.
10:50 Matt Herron	Cascade	12:45 ETA for 5 ft screen.
Wes Braga	TRC	Tool retrieval methods

Marshal Tofte

3/29/2022

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## GENERAL NOTES

PROJECT NAME: Aramark-Sikeston	DATE: 3/30/2022	TIME ARRIVED: 5:45
PROJECT NUMBER: 255308	AUTHOR: <i>Mark [Signature]</i>	TIME LEFT: 18:00

WEATHER	
TEMPERATURE: <u>41.0</u> °F	WIND: <u>20-30</u> MPH Tornado watch... VISIBILITY: <u>Low in rain</u>
WORK / SAMPLING PERFORMED	
<p>Arrived on-site at 5:45. Began sampling at MW-17. Sampled without issue until the rain began. Sprinklers around 13:00. Jumped to MW-11 so as to sample before flooding. Heavy rain at 13:00. Finished current well and moved inside to MW-09.</p> <p>CW-8 Marshal Toft 4/27/2022</p> <p><del>CW-7</del> - Pumped from 6:45-7:10.</p> <p>Neither <del>CW-7</del> or <del>CW-13</del> on from 7:10-8:45</p> <p>CW-8 CW-13 - Pumping at 11:00 until at least 12:50</p>	

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Rain...	Stopped sampling when site flooded.

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS

*Mark [Signature]* 3/30/2022

SIGNED

DATE

CHECKED BY

DATE



## GENERAL NOTES

PROJECT NAME: Aramark-Sikeston	DATE: 3/31/2022	TIME ARRIVED: 8:15
PROJECT NUMBER: 255308	AUTHOR: <i>[Signature]</i>	TIME LEFT: 1:00

WEATHER		
TEMPERATURE: <u>X</u> °F	WIND: <u>10-15</u> MPH	VISIBILITY: <u>Good</u>
WORK / SAMPLING PERFORMED		
8:00 Returned water meter <sup>512</sup> to BMU, <del>stop</del> to office.		
8:30 - 13:00 sample remaining wells, decon, calibration check.		
Fuel up and mob home.		

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
N/A	N/A

COMMUNICATION		
NAME	REPRESENTING	SUBJECT / COMMENTS
Matt Herron	Cascade	Confirmed abandonment methods.

*[Signature]* 3/31/2022

SIGNED

DATE

CHECKED BY

DATE

*Notes from email summary to M. Westover & J. Tweddale.*

Monday 3/28: Mob to site, arrived at approximately 11:50. Drillers arrived a few minutes before me. I grabbed water measurements from the MW-03 island in case they blocked access to wells with their equipment when I was completing the full round. The Matt Herron is the driller and Norm Bruno was drill hand #1. Tanner something had a breakdown on the way with the supply truck. I checked in with Glen Holt and discussed where rig truck/trailer could be parked out of the way. They moved their rigs into place and waited on Tanner who didn't arrive on-site until approximately 5:30. During this time, I spoke with Randall at the BMU and they set me up with a meter. I paid a deposit at the BMU office on E. Malone St. I returned to check on drillers. They had rigs in place and had pried the well pad (impressively, in one piece) from MW-03ID. I set about removing all other well caps and then collected depth to water measurements. The drillers left the site around 17:30 and I began setting up at the MW-13 island to sample. After set-up, I realized that the 1/8 inch air hose, which runs from the control box to the airline on the bladder pump, did not have a quick detach coupler used to grab plastic tubing one end. This set about a mad scramble beginning at 18:30 to find a coupler which ended my day.

Tuesday 3/29: Arrived on-site at approximately 6:50; checked in with drillers, they began by abandoning MW-03ID. I told Matt Herron to confirm MO state regulations for abandoning a well. He told me that he spoke with his boss and that regulations allowed for breaking the well off two feet below ground surface and filling in with chips. He stated that they used two bags of chips and then one bag of quikrete on top so it wasn't a slimy mess at the surface when it rains. \*Thinking about this again, I need to call Matt and confirm that he meant "two bags into the well before breaking it off and covering the well top" as opposed to "breaking the well off and covering it with two bags." The drillers began drilling at MW-03IDR and I observed. I confirmed that they had schedule 80 pvc and that we needed a 5-foot screen at the bottom. Matt said they didn't have a 5 foot and probably couldn't find a schedule 80 cap locally; he said the job scope called for a 10 foot screen. I spoke with Meredith (confirmed the job scope comment was incorrect), Matt spoke with his boss, Meredith spoke with Larry Yancey (it sounds like the Memphis office has issues with quality control)) and the drillers were waiting on a 5-foot schedule 80 screen to be delivered. I asked them to let me know when the screen arrived and I began to set-up at the MW-13 island. I returned to check on the drillers 10 minutes before the screen had been estimated to arrive (12:45) and they were finishing the install... I called Meredith to check-in. I then observed the remaining installation procedure. After the well install, the driller's moved their rigs to begin setting the pad. I went back to sampling and accidentally dropped a bladder pump with attached hose down a hole such that it was just slightly out of my grasp. I attempted two methods of retrieval with no success before succumbing to embarrassment and calling Wes for advice. He told me to get fishing wire with treble hooks and then I was able to retrieve the tool. This ordeal cost some time. During this time, the drillers set the well pad and began developing well MW-03IDR per our discussions (purge and pump at least 100 gallons from the bottom and then at least 50 more gallons from the upper portion of the screen). The drillers developed the well for roughly three hours and pumped a total of approximately 250 gallons with multiple purges; the return water appeared clear. Drillers left the site at approximately 4:30. In total, I sampled the MW-13 and MW-08 islands before the end of the day.

Wednesday 3/30: Forecast called for rain all day so I was on-site before 6:00; drillers arrived at this time to load their remaining equipment and leave. Fairly uneventful day of sampling. Rain started around 13:30 but became serious around 3:30. I finished the well that I was on (MW-01) and then went inside to sample MW-09. I returned the water meter to the BMU and had my reading sheet signed. Off-site at approximately 5:00.

*Matt Herron* *J. Tweddale* 4/13/2022



# WATER LEVEL DATA

PROJECT NAME: Aramark-Sikeston					DATE: 3/28/2022			
PROJECT NUMBER: 255308					AUTHOR: Marshal Toffe			
WELL LOCATION	DATE MEASURED	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	SCREENED INTERVAL (FEET)	PRODUCT THICKNESS (IN)	WATER ELEVATION
MW-01	3/28/2022	16:32	--	28.42	NM	30-40	none	
MW-02		16:35	--	31.94	NM	30-40	none	
MW-02A		16:37	--	31.26	NM	159-169	none	
MW-03		12:38	--	27.86	NM	30-40	none	
MW-03IS		16:51	--	27.32	NM	79-84	none	
MW-03ID		12:32	--	27.91	NM	100-105	none	
MW-03A		16:52	--	27.76	NM	139-149	none	
MW-04		16:18	--	28.05	NM	30-40	none	
MW-05		16:10	--	28.91	NM	45-50	none	
MW-06		15:54	--	28.76	NM	45-50	none	
MW-06IS		15:56	--	29.26	NM	75-80	none	
MW-06A		15:53	--	27.87	NM	198-208	none	
MW-07		15:51	--	29.05	NM	45-50	none	
MW-08		15:20	--	26.31	NM	45-50	none	
MW-08IS		15:24	--	26.34	NM	67-72	none	
MW-08ID		15:26	--	26.53	NM	100-105	none	
MW-08A		15:28	--	26.35	NM	192-202	none	
MW-09		15:59	--	28.62	NM	30-40	none	
MW-10		16:21	--	28.06	NM	30-40	none	
MW-11		16:26	--	27.81	NM	30-40	none	
MW-12		16:02	--	27.91	NM	30-40	none	
MW-13		15:08	--	27.27	NM	45-50	none	
MW-13IS		15:06	--	27.81	NM	65-70	none	
MW-13ID		15:10	--	28.42	NM	105-110	none	
MW-13A		15:12	--	28.35	NM	149-159	none	
MW-14		15:19	--	26.11	NM	45-50	none	
MW-15		15:41	--	26.41	NM	45-50	none	
MW-16		16:46	--	27.64	NM	45-50	none	
MW-17		15:44	--	27.92	NM	45-50	none	
MW-18IS		15:46	--	28.36	NM	75-80	none	

SIGNED \_\_\_\_\_ DATE 3/28/2022

CHECKED \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT NAME:	Aramark-Sikeston	DATE:	3/28/2022
PROJECT NUMBER:	255308	AUTHOR:	Marshall Toffe

Marshall Tapp 3/28/2022

SIGNED DATE CHECKED DATE



## MONITORING WELL DECOMMISSIONING LOG

PROJECT NAME: Aramark-Sikeston		MONITORING WELL ID: <u>MW-31D</u>	
PROJECT NUMBER: 255308	DATE: <u>3/29/2022</u>	LOCATION:	LOCATION COORDINATES:
OBSERVED BY: <u>Marshal Tofte</u>			N:
DRILLING CONTRACTOR: <u>Cascade</u>			E:
CREW CHIEF: <u>Matt Herron</u>		TOP OF CASING ELEV.: _____	SURFACE ELEV.: _____

PROTECTIVE COVER TYPE: <input type="checkbox"/> STICK-UP <input type="checkbox"/> FLUSH MOUNT <input type="checkbox"/> TRAF. BOX <input checked="" type="checkbox"/> OTHER <u>Flesh, Quikrete</u>	
PROTECTIVE COVER DIAMETER <input type="checkbox"/> 4" <input type="checkbox"/> 8" <input type="checkbox"/> 9" <input type="checkbox"/> 10" <input type="checkbox"/> 12" <input checked="" type="checkbox"/> OTHER <u>18"</u>	
WELL MATERIAL: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> IRON <input type="checkbox"/> GALVANIZED STEEL <input type="checkbox"/> OTHER _____	
WELL CASING DIAMETER: <input type="checkbox"/> 1" <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> OTHER _____	
WELL SCREEN MATERIAL: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> IRON <input type="checkbox"/> GALVANIZED STEEL <input type="checkbox"/> OTHER _____	
WELL SCREEN LENGTH: <input checked="" type="checkbox"/> 5-FT <input type="checkbox"/> 10-FT <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____	
WELL SCREEN SLOT SIZE: <input checked="" type="checkbox"/> 0.01" <input type="checkbox"/> 0.02" <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____	
DTW: <u>27.91 ft</u>	T/PVC <u>at 12:32</u>
DTB: <u>105 ft</u>	T/PVC <u>on 3/28/2022</u>

ABANDONMENT PROCEDURE:	
<p>NOTES: Excavated original concrete pad. Excavated an additional two feet. Broke off well, Began filling with Hole-Plug bentonite chips. Used two bags of Hole-Plug to fill &amp; cover. covered Hole-Plug with Quikrete. covered with loose soil &amp; leaves.</p>	

GROUTING PROCEDURE: <u>Bentonite</u>	NOTES:
GROUT TYPE:	
GROUT MIX:	
GROUT INTERVAL: _____ FT-BGS TO _____ FT-BGS	
BENTONITE SEAL:	
SEAL INTERVAL: <u>2</u> FT-BGS TO <u>0</u> FT-BGS	

ADDITIONAL COMMENTS:
<p>I instructed Matt to confirm abandonment regulations for the state of Missouri. Matt told me that he spoke with his boss and that there was no need to overdrill but that the crew could remove the well pad, excavate the initial two feet, break off the well, and cover with bentonite chips. Matt covered the well top with two bags of bentonite chips (Hole-Plug) and 1 bag of Quikrete before levelling excavated soil atop the sealants.</p>

Marshal Tofte 3/29/2022

SIGNED

DATE

CHECKED

DATE

# LOG OF SOIL BORING

PROJECT NAME: <u>Aramark Uniform &amp; Career Apparel</u>		SOIL BORING ID: <u>MW-03 IDR</u>	
PROJECT NUMBER: <u>255308 Ph. 9</u>		LOCATION: <u>400 N. West St.</u>	SHEET <u>1</u> OF <u>3</u>
LOGGED BY: <u>Marshal Tofte</u>		SURFACE ELEV.: _____	
PROJECT LOCATION: <u>Sikeston, MO</u>		N: _____ E: _____	DATE STARTED: <u>3/28/2022</u>
DRILLED BY: <u>Cascade</u>		DRILLER NAME: <u>Matt Herron</u>	DATE COMPLETED: <u>3/29/2022</u>

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
1		100	N/A	N/A	0	Topsoil - Grass - Leaves (6 inches)	
					5	Sand silt (ML), fairly cohesive, good recovery	
					10	10 Yr 4/2 dark grayish brown	
2		50			15	Poorly graded sand (SP) fine-medium	
					20	10 Yr 5/3 brown	
					25	Poor recovery	
3		25			30	Same as above, minor amount of coarse sand.	
					35	Same as above, 10 Yr 4/1 dark gray	
4		50			40	Poor recovery	
5		10					

DRILLING METHOD <u>Rotary</u>
DRILL RIG _____
BORING DIAMETER <u>6.25 inch</u>

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE: <u>3/29/2022 at 14:00</u>			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM
<u>3/29</u>	<u>14:00</u>	<u>27.80</u>	<u>105.0</u>
<u>3/29</u>	<u>18:00</u>	<u>27.77</u>	<u>105.0</u>

SIGNED Marshal Tofte DATE 3/29/2022

CHECKED \_\_\_\_\_ DATE \_\_\_\_\_



## LOG OF SOIL BORING

PROJECT NAME: <u>Aremark Uniform &amp; Career Apparel</u>		SOIL BORING ID: <u>MW-031DR</u>	
PROJECT NUMBER: <u>255308 Ph. 9</u>		LOCATION: <u>400 N. West St.</u>	SHEET <u>2</u> OF <u>3</u>
LOGGED BY: <u>Marshall Toffe</u>		SURFACE ELEV.: _____	
PROJECT LOCATION: <u>Sikeston, MO</u>		N: _____ E: _____	DATE STARTED: <u>3/28/2022</u>
DRILLED BY: <u>Cascade</u>		DRILLER NAME: <u>Matth Herro</u>	DATE COMPLETED: <u>3/29/2022</u>

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
5		10	N/A	N/A	40	Poorly graded sand (SP) fine 10 yr 5/1 gray Poor recovery 45 same as above	
6		50			50	Well graded sand (SW) still some fines, but more coarse. 10 yr 5/1 gray	
					55	coarse material gone - Poorly graded (SP) fine to medium; 10 yr 5/1 gray	
7		5			60	Poor recovery ↓	
					65	Same as above, less medium sand	
8		40			70	Poor recovery	
					75		
9		10			80	Poor recovery	

DRILLING METHOD <u>Rotary</u>
DRILL RIG _____
BORING DIAMETER <u>8.25 inch</u>

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE:			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM

Marshall Toffe 3/29/2022  
SIGNED DATE

CHECKED

DATE





## LOG OF SOIL BORING

PROJECT NAME: <u>Aramark Uniform &amp; Career Apparel</u>		SOIL BORING ID: <u>MW-03IDR</u>	
PROJECT NUMBER: <u>ZSS308 Ph. 9</u>		LOCATION:	SHEET <u>3</u> OF <u>3</u>
LOGGED BY: <u>Marshal Toffe</u>			SURFACE ELEV.:
PROJECT LOCATION: <u>Sikeston, MO</u>		N: E:	DATE STARTED: <u>3/28/2022</u>
DRILLED BY: <u>Cascade</u>		DRILLER NAME: <u>Matt Herron</u>	DATE COMPLETED: <u>3/29/2022</u>

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
9		10	NA	NA	80	Poor Recovery	
					85	Poorly graded sand, very fine (SP) 10 yr 5/1 gray	84 ft - Driller noted slightly "harder" rock; still sand
10		10			90		Just slightly more competent.
					95	----- same as above, less "very" fine	
11		40			100		
					105		
					110	EoB 107 ft bottom of borehole at 9:30 on 3/29/2022	
					115	No issues while drilling. Driller stated that it was soft sand for almost entire boring.	
					120		

DRILLING METHOD <u>Rotary</u>
DRILL RIG
BORING DIAMETER <u>8.25 inch</u>

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE:			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM

Marshal Toffe 3/29/2022  
SIGNED DATE

CHECKED

DATE



## WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Aramark-Sikeston		WELL ID: MW-03IDR
PROJ. NO: 255308	DATE INSTALLED: 3/29/2022	INSTALLED BY: Cascade - Tanner Matty Herron, Norm Br CHECKED BY: m80

**ELEVATION**  
(BENCHMARK: USGS)

**DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)**

TOP OF CASING

0.0 GROUND SURFACE

2.0 CEMENT SURFACE PLUG

GROUT/BACKFILL MATERIAL  
Bentonite 30 Bags

GROUT/BACKFILL METHOD  
Bentonite

97 Grout Begins at

BENTONITE SEAL MATERIAL

BENTONITE SEAL

99.67 TOP OF SCREEN

FILTER PACK MATERIAL  
Sand

104.67 BOTTOM OF SCREEN

N/A BOTTOM OF FILTER PACK

N/A BENTONITE PLUG

BACKFILL MATERIAL  
105 Sand 1 bag

107 HOLE BOTTOM

RISE PIPE LENGTH

SCREEN LENGTH

CASING AND SCREEN DETAILS			
TYPE OF RISER:	<u>N/A</u>		
PIPE SCHEDULE:	<u>80 PVC</u>		
PIPE JOINTS:	<u>Flush threaded</u>		
SOLVENT USED?	<u>N/A</u>		
SCREEN TYPE:	<u>5 ft PVC</u>		
SCR. SLOT SIZE:	<u>0.010</u>		
BOREHOLE DIAMETER:	<u>6.25</u> IN. FROM <u>0</u> TO <u>107</u> FT.		
	<u>      </u> IN. FROM <u>      </u> TO <u>      </u> FT.		
SURF. CASING DIAMETER:	<u>      </u> IN. FROM <u>0</u> TO <u>1</u> FT.		
	<u>      </u> IN. FROM <u>      </u> TO <u>      </u> FT.		
WELL DEVELOPMENT			
DEVELOPMENT METHOD:	<u>Surged with pump &amp; Pumped</u>		
TIME DEVELOPING:	<u>3</u> HOURS		
WATER REMOVED:	<u>200</u> GALLONS		
WATER ADDED:	<u>      </u> GALLONS		
WATER CLARITY BEFORE / AFTER DEVELOPMENT			
CLARITY BEFORE:	<u>Low; water was brown &amp; turbid</u>		
COLOR BEFORE:	<u>Brown &amp; turbid</u>		
CLARITY AFTER:	<u>High</u>		
COLOR AFTER:	<u>Clear</u>		
ODOR (IF PRESENT):	<u>N/A</u>		
WATER LEVEL SUMMARY			
MEASUREMENT (FEET)		DATE	TIME
DTB BEFORE DEVELOPING:	<u>105.0</u>	T/PVC	
DTB AFTER DEVELOPING:	<u>105.0</u>	T/PVC	
SWE BEFORE DEVELOPING:	<u>27.80</u>	T/PVC	
SWE AFTER DEVELOPING:	<u>27.77</u>	T/PVC	
OTHER SWE:		T/PVC	
OTHER SWE:		T/PVC	

NOTES: Screen up 4 inches; cap is 4 inches.

I did not visually confirm the installation of a 5 ft screen. Drillers estimated a 12:45 delivery time, I checked on them at approx 12:35 and they had installed without contact.

Marshal Toft 4/3/2022



## WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: Aramark-Sikeston	MANUF: InSitu	MODEL: AquaTROLL 400	SAMPLER: Marshal Torte
PROJECT NO.: 255308	OWNER: TRC	SER #: PN 0093230	DATE: 3/29/2022

PH METER						
CALIBRATION			POST SAMPLING CALIBRATION CHECK			DATE
pH 4	pH 7	TIME	pH 4	pH 7	TIME	
3/29 <input checked="" type="checkbox"/> WITHIN RANGE	<input checked="" type="checkbox"/> WITHIN RANGE	10:40	4.06	7.04	20:00	3/29
3/29 <input checked="" type="checkbox"/> WITHIN RANGE	<input checked="" type="checkbox"/> WITHIN RANGE	20:00				
3/30 <input checked="" type="checkbox"/> WITHIN RANGE	<input checked="" type="checkbox"/> WITHIN RANGE	6:00	3.98	7.06	19:00	3/30
3/30 <input checked="" type="checkbox"/> WITHIN RANGE	<input checked="" type="checkbox"/> WITHIN RANGE					
3/31 <input checked="" type="checkbox"/> WITHIN RANGE	<input checked="" type="checkbox"/> WITHIN RANGE		4.03	7.00	13:00	3/31

CONDUCTIVITY METER					
CALIBRATION		POST SAMPLING CALIBRATION CHECK			
STANDARD	TIME	CHECK	TEMP	TIME	DATE
4490 $\mu\text{S}/\text{cm}$ <input checked="" type="checkbox"/> WITHIN RANGE	10:40	4449.7 $\mu\text{S}/\text{cm}$	17.33 °C	20:00	3/29
4490 $\mu\text{S}/\text{cm}$ <input checked="" type="checkbox"/> WITHIN RANGE	20:00				
4490 $\mu\text{S}/\text{cm}$ <input checked="" type="checkbox"/> WITHIN RANGE	6:00	4649.1 $\mu\text{S}/\text{cm}$	7.11 °C	19:00	3/30
4490 $\mu\text{S}/\text{cm}$ <input checked="" type="checkbox"/> WITHIN RANGE					
4490 $\mu\text{S}/\text{cm}$ <input checked="" type="checkbox"/> WITHIN RANGE		4274.9 $\mu\text{S}/\text{cm}$	10.59 °C	13:00	3/31

DO METER				
CALIBRATION	TIME	CALIBRATION	TIME	DATE
3/29 <input checked="" type="checkbox"/> WITHIN RANGE	10:40	<input checked="" type="checkbox"/> WITHIN RANGE	20:00	3/29
<input checked="" type="checkbox"/> WITHIN RANGE	20:00	<input checked="" type="checkbox"/> WITHIN RANGE		
3/30 <input checked="" type="checkbox"/> WITHIN RANGE	6:00	<input checked="" type="checkbox"/> WITHIN RANGE	19:00	3/30
<input checked="" type="checkbox"/> WITHIN RANGE		<input checked="" type="checkbox"/> WITHIN RANGE		
3/31 <input checked="" type="checkbox"/> WITHIN RANGE	8:00	<input checked="" type="checkbox"/> WITHIN RANGE	13:00	3/31

ORP METER					
CALIBRATION	TIME	POST SAMPLING CALIBRATION CHECK			DATE
		CHECK	TEMP	TIME	
<input checked="" type="checkbox"/> WITHIN RANGE	10:40	236.8 mV	17.97 °C	20:00	3/29
<input checked="" type="checkbox"/> WITHIN RANGE	20:00				
<input checked="" type="checkbox"/> WITHIN RANGE		252.98 mV	6.73 °C	19:00	3/30
<input checked="" type="checkbox"/> WITHIN RANGE					
<input checked="" type="checkbox"/> WITHIN RANGE		246.44 mV	11.74 °C	13:00	3/31

TURBIDITY CALIBRATION CHECK								
METER TYPE:		Hach 2100P						
PRE-SAMPLING CALIBRATION CHECK				POST SAMPLING CALIBRATION CHECK				DATE
GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	GEL VALUE (NTU) 0-10	GEL VALUE (NTU) 0-100	GEL VALUE (NTU) 0-1000	TIME	
5.02	50.5	499	10:40	5.02	50.5	499	20:00	3/29
5.01	51.1	501	6:00	5.00	51.0	501	19:00	3/30
5.02	50.9	500	8:00	5.02	50.9	500	13:00	3/31

Autocal Solution Lot#: 26B078	Exp Date: 2/23
pH 7 Solution Lot#: 16J1214	Exp Date: 10/23
ORP Solution Lot#: 21M100147	Exp Date: 12/13/2026
Parameters Calibrated: <input checked="" type="checkbox"/> pH <input checked="" type="checkbox"/> Conductivity	
<input checked="" type="checkbox"/> Turbidity <input checked="" type="checkbox"/> ORP <input checked="" type="checkbox"/> Dissolved Oxygen	

NOTES

DATE	PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED

DATE

Checked

DATE

*[Signature]* 4/3/2022



## LOW-FLOW WATER SAMPLE LOG

[illegible]



Dup-03



## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]





## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]

28.84  
28.83

Dup-01



26.00  
26.09



LOW-FLOW WATER SAMPLE LOG

26.17

4/27/2022  
Marshal Tofta  
CW-8  
← Pumping

PROJECT NAME: <b>Aramark-Sikeston</b>				PREPARED				CHECKED			
PROJECT NUMBER: <b>255308</b>				BY: <b>MSY</b>		DATE: <b>3/29</b>		BY:		DATE:	
WELL ID: <b>MW-08ID</b>				UNIQUE SAMPLE ID: <b>MW-08ID-</b>				WELL DIAMETER: <b>2 in</b>			
WELL MATERIAL: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> GS <input type="checkbox"/> IRON <input type="checkbox"/> OTHER:											
SAMPLE TYPE: <input checked="" type="checkbox"/> GW <input type="checkbox"/> WW <input type="checkbox"/> SW <input type="checkbox"/> DI <input type="checkbox"/> LEACHATE <input type="checkbox"/> OTHER:											
PURGING		TIME: <b>19:30</b>		DATE: <b>3/30</b>		SAMPLE:		TIME: <b>19:50</b>		DATE: <b>3/29</b>	
PUMP TYPE: <b>BLADDER PUMP (Non-Dedicated)</b>						PH: <b>6.83</b>		SU		CONDUCTIVITY: <b>941.53</b> umhos/cm	
STABILIZATION CRITERIA: <b>Missouri DNR (EPA)</b>						DO: <b>.25</b> mg/l		ORP: <b>-103.3</b> mV			
DEPTH TO WATER: <b>26.17</b> T/ PVC						TURBIDITY: <b>8.8</b> NTU					
DEPTH TO BOTTOM <b>NM</b> T/ PVC						<input checked="" type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY					
WELL VOLUME: <b>--</b> <input checked="" type="checkbox"/> LITERS <input type="checkbox"/> GALLONS						TEMPERATURE: <b>16.32</b> °C			OTHER: <b>--</b>		
VOLUME REMOVED: <b>6.25</b> <input checked="" type="checkbox"/> LITERS <input type="checkbox"/> GALLONS						COLOR: <b>Clear</b>			ODOR: <b>faint sulfur</b>		
COLOR: <b>Clear</b>						ODOR: <b>faint sulfur</b>					
TURBIDITY						FILTRATE (0.45 um) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
<input checked="" type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY						FILT COLOR: <input checked="" type="checkbox"/> <input type="checkbox"/> NO					
DISPOSAL METHOD: <input type="checkbox"/> GROUND <input type="checkbox"/> DRUM <input checked="" type="checkbox"/> Trmnt Sys.						QC SAMPLE: <input type="checkbox"/> MS/MSD <input type="checkbox"/> DUP-					
COMMENTS:											
TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)		
	100 mL/min-500 mL/min	3%	3%	10% @ >0.5 or 3 readings <0.5	±0.1	±10 mV	10% if >5 NTU	Appx. 0.3 ft			
19:30	250	16.57	437.43	1.83	6.74	-60.9	5.1	26.17	1.25		
19:35		16.41	434.33	.49	6.75	-85.9	-		2.5		
19:40		16.37	440.78	.38	6.78	-106.7	-		3.75		
19:45		16.37	441.25	.3	6.8	-118.2	-	26.19	5		
19:50		16.32	441.53	.25	6.83	-103.3	8.8	26.18	6.25		
BOTTLES FILLED											
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		
<b>3</b>	40 mL	VOA	HCL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N						<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
				<input type="checkbox"/> Y <input checked="" type="checkbox"/> N						<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
				<input type="checkbox"/> Y <input checked="" type="checkbox"/> N						<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
SHIPPING METHOD:				DATE SHIPPED: <b>4/1/2022</b>				DATE SIGNED: <b>4/3/2022</b>			
				SIGNATURE: <i>[Signature]</i>							



## LOW-FLOW WATER SAMPLE LOG

[illegible]

Marshall Toft  
4/27/2022

CW-8  
~~CW-7~~ Pumping  
during set-up  
↓

still pumping



## LOW-FLOW WATER SAMPLE LOG

Dup-02



## LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: Aramark-Sikeston						PREPARED				CHECKED			
PROJECT NUMBER: 255308						BY: [Signature]		DATE: 3/30		BY:		DATE:	
WELL ID: MW-11				UNIQUE SAMPLE ID: MW-11-						WELL DIAMETER: 2 in			
WELL MATERIAL: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> GS <input type="checkbox"/> IRON <input type="checkbox"/> OTHER:													
SAMPLE TYPE: <input checked="" type="checkbox"/> GW <input type="checkbox"/> VVW <input type="checkbox"/> SW <input type="checkbox"/> DI <input type="checkbox"/> LEACHATE <input type="checkbox"/> OTHER:													
PURGING		TIME: 13:30		DATE: 3/30		SAMPLE:		TIME: 14:05		DATE: 3/30			
PUMP TYPE: BLADDER PUMP (Non-Dedicated)						PH: 5.45 SU		CONDUCTIVITY: 84.89 umhos/cm					
STABILIZATION CRITERIA: Missouri DNR (EPA)						DO: .65 mg/l		ORP: 141.2 mV					
DEPTH TO WATER: 27.73 T/ PVC						TURBIDITY: 9.8 NTU							
DEPTH TO BOTTOM NM T/ PVC						<input checked="" type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY							
WELL VOLUME: -- <input checked="" type="checkbox"/> LITERS <input type="checkbox"/> GALLONS						TEMPERATURE: 17.17 °C				OTHER: --			
VOLUME REMOVED: 16 <input checked="" type="checkbox"/> LITERS <input type="checkbox"/> GALLONS						COLOR: X				ODOR: X			
COLOR: X ODOR: X						FILTRATE (0.45 um) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
TURBIDITY						FILT COLOR: X FILT ODOR:							
<input checked="" type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY						QC SAMPLE: <input type="checkbox"/> MS/MSD <input type="checkbox"/> DUP-							
DISPOSAL METHOD: <input type="checkbox"/> GROUND <input type="checkbox"/> DRUM <input checked="" type="checkbox"/> Trtmt Sys.						COMMENTS:							
TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)				
	Stabilization Criteria												
	100 mL/min-500 mL/min	3%	3%	10% @ >0.5 or 3 readings <0.5	±0.1	±10 mV	10% if >5 NTU	Appx. 0.3 ft					
13:30	250	18.34	84.53	2.07	6.16	99.9	48.7	27.73	1.25				
13:35		17.31	85.30	.98	5.63	119.6	32.3	27.74	2.5				
13:40		17.13	85.47	1.44	5.54	125.3	26.4	27.74	3.75				
13:45		17.08	84.62	.81	5.51	132	19.4	27.74	5				
13:50		17.04	84.10	.77	5.49	134.1	15.2	27.74	6.25				
13:55		17.12	84.26	.75	5.48	136.9	19.1	27.74	7.5				
14:00		17.13	84.65	.7	5.46	147.3	12.6	27.74	8.75				
14:05		17.17	84.89	.65	5.45	141.2	9.8	27.74	10				
BOTTLES FILLED													
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED				
3	40 mL	VOA	HCL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N					<input type="checkbox"/> Y <input checked="" type="checkbox"/> N				
				<input type="checkbox"/> Y <input type="checkbox"/> N					<input type="checkbox"/> Y <input type="checkbox"/> N				
				<input type="checkbox"/> Y <input type="checkbox"/> N					<input type="checkbox"/> Y <input type="checkbox"/> N				
SHIPPING METHOD:				DATE SHIPPED: 4/1/2022				DATE SIGNED: 4/3/2022					
				SIGNATURE: [Signature]									

[illegible]

CW-8  
~~CW-7~~ Pumping  
Marshal Tofta  
4/27/2022  
CW-8  
~~CW-7~~ stopped  
~~222~~ 222

27.02 - depth before  
sampling after lowering  
bladder pump

4/27/2022





## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]

CW-8  
~~CW-7~~ Pumping

Marshal Toft

4/27/2022

CW-8  
~~CW-7~~ off 17:05  
+ 17:10  
mw-13 Not pumping



26.47 at 7:37  
26.46 at 7:42

Neither ~~CW-8~~  
are ~~CW-7 or 13~~  
pumping.



## LOW-FLOW WATER SAMPLE LOG

[illegible]

26.98  
26.97

Neither CW is pump.



## LOW-FLOW WATER SAMPLE LOG

[illegible]



## LOW-FLOW WATER SAMPLE LOG

[illegible]

CW-13 Pumping

27.29  
27.28





## LOW-FLOW WATER SAMPLE LOG

PROJECT NAME: Aramark-Sikeston				PREPARED				CHECKED			
PROJECT NUMBER: 255308				BY: MGT		DATE: 3/30		BY:		DATE:	
WELL ID: MW-21		UNIQUE SAMPLE ID: MW-21-						WELL DIAMETER: 2 in			
WELL MATERIAL: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> GS <input type="checkbox"/> IRON <input type="checkbox"/> OTHER:											
SAMPLE TYPE: <input checked="" type="checkbox"/> GW <input type="checkbox"/> WW <input type="checkbox"/> SW <input type="checkbox"/> DI <input type="checkbox"/> LEACHATE <input type="checkbox"/> OTHER:											
PURGING		TIME: 14:30		DATE: 3/30		SAMPLE:		TIME: 14:55		DATE: 3/30	
PUMP TYPE: BLADDER PUMP (Non-Dedicated)						PH: 7.55		CONDUCTIVITY: 94.97 umhos/cm			
STABILIZATION CRITERIA: Missouri DNR (EPA)						DO: 4.99 mg/l		ORP: 163.3 mV			
DEPTH TO WATER: 28.56 T/ PVC						TURBIDITY: 20 NTU					
DEPTH TO BOTTOM NM T/ PVC						<input type="checkbox"/> NONE <input checked="" type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY					
WELL VOLUME: 7.5 <input checked="" type="checkbox"/> LITERS <input type="checkbox"/> GALLONS						TEMPERATURE: 16.10 °C			OTHER: --		
VOLUME REMOVED: 7.5 <input checked="" type="checkbox"/> LITERS <input type="checkbox"/> GALLONS						COLOR: Light Brown			ODOR: X		
COLOR: Light brown						FILTRATE (0.45 um) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
TURBIDITY						FILT COLOR:			FILT ODOR:		
<input type="checkbox"/> NONE <input checked="" type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY						QC SAMPLE: <input type="checkbox"/> MS/MSD <input type="checkbox"/> DUP-					
DISPOSAL METHOD: <input type="checkbox"/> GROUND <input type="checkbox"/> DRUM <input checked="" type="checkbox"/> Trtmnt Sys.						COMMENTS:					
TIME	PURGE RATE (ML/MIN)	TEMPERATURE (°C)	SPECIFIC CONDUCTIVITY (µS/cm)	D.O. (mg/L)	pH (SU)	ORP (mV)	TURBIDITY (NTU)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (L)		
	Stabilization Criteria										
	100 mL/min-500 mL/min	3%	3%	10% @ >0.5 or 3 readings <0.5	±0.1	±10 mV	10% If >5 NTU	Appx. 0.3 ft			
14:25	250	17.84	93.35	1.59	5.63	146.5	36.6	28.56	1.25		
14:30		16.46	94.15	.75	5.59	147.1	-	28.56	2.5		
14:35		16.21	94.48	.63	5.56	163.7	-	28.56	3.75		
14:40		16.25	93.82	.54	5.56	147.3	20.2	28.56	5		
14:45		16.10	93.35	.43	5.55	163.7	20.5	28.56	6.25		
14:50		16.10	94.97	.49	5.55	163.3	20.00	28.56	7.5		
14:55							20.00	28.56	8.75		
BOTTLES FILLED											
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		
3	40 mL	VOA	HCL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N					<input type="checkbox"/> Y <input type="checkbox"/> N		
				<input type="checkbox"/> Y <input type="checkbox"/> N					<input type="checkbox"/> Y <input type="checkbox"/> N		
				<input type="checkbox"/> Y <input type="checkbox"/> N					<input type="checkbox"/> Y <input type="checkbox"/> N		
SHIPPING METHOD:				DATE SHIPPED: 4/11/2022				DATE SIGNED: 4/3/2022			
				SIGNATURE: [Signature]							



## WATER SAMPLE LOG

PROJECT NAME: <b>Aramark-Sikeston</b>				PREPARED				CHECKED			
PROJECT NUMBER: <b>255308</b>				BY: <b>MST</b>		DATE: <b>3/28</b>		BY:		DATE:	
WELL ID: <b>FB-001</b>				UNIQUE SAMPLE ID: FB-03-				WELL DIAMETER: <u>    </u> in			
WELL MATERIAL: <input type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> GS <input type="checkbox"/> IRON				<input type="checkbox"/> OTHER: <b>N/A</b>							
SAMPLE TYPE: <input type="checkbox"/> GW <input type="checkbox"/> WW <input type="checkbox"/> SW <input checked="" type="checkbox"/> DI				<input type="checkbox"/> LEACHATE				<input type="checkbox"/> OTHER:			
PURGING START		TIME: <b>X</b>		DATE: <b>X</b>		SAMPLE:		TIME: <b>18:05</b>		DATE: <b>3/28</b>	
SAMPLE METHOD:	<input checked="" type="checkbox"/> PUMP	<b>Bladder</b>				PH: <u>    </u> SU		CONDUCTIVITY: <u>    </u> umhos/cm			
	<input type="checkbox"/> BAILER					DO: <u>    </u> mg/l		ORP: <u>    </u> mV			
	<input type="checkbox"/> PASSIVE					<input type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY					
DEPTH TO WATER: <u>    </u> T/ PVC				TURBIDITY: <u>    </u> NTU							
DEPTH TO BOTTOM: <u>    </u> T/ PVC				TEMPERATURE: <u>    </u> °C				OTHER: <u>    </u>			
WELL VOLUME: <input type="checkbox"/> LITERS <input type="checkbox"/> GALLONS				COLOR: <u>    </u>				ODOR: <u>    </u>			
VOLUME REMOVED: <input type="checkbox"/> LITERS <input type="checkbox"/> GALLONS				FILTRATE (0.45 um) <input type="checkbox"/> YES <input type="checkbox"/> NO							
COLOR: <u>    </u> ODOR: <u>    </u>				FILT COLOR: <u>    </u>				FILT ODOR: <u>    </u>			
TURBIDITY <input type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY				QC SAMPLE: <input type="checkbox"/> MS/MSD <input type="checkbox"/> DUP-							
DISPOSAL METHOD <input type="checkbox"/> GROUND <input type="checkbox"/> DRUM <input type="checkbox"/> OTHER				COMMENTS:							
BOTTLES FILLED											
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
<b>3</b>	40 mL	VOA	HCL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
SHIPPING METHOD:				DATE SHIPPED: <b>4/1/2022</b>							
				SIGNATURE: <b>MST</b>				DATE SIGNED: <b>4/3/2022</b>			

Sample method for FB-01, -02, & -03:

-DI water was poured into the bladder pump intake until the bladder was filled. Bottles were filled by squeezing the bladder while inverting the pump directly over sample jars.



## WATER SAMPLE LOG

PROJECT NAME: <b>Aramark-Sikeston</b>				PREPARED				CHECKED			
PROJECT NUMBER: <b>255308</b>				BY: <b>MSY</b>		DATE: <b>3/30</b>		BY:		DATE:	
WELL ID: <b>FB-02</b>				UNIQUE SAMPLE ID: FB-02-				WELL DIAMETER: ___ in			
WELL MATERIAL: <input type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> GS <input type="checkbox"/> IRON				<input type="checkbox"/> OTHER: <b>N/A</b>							
SAMPLE TYPE: <input type="checkbox"/> GW <input type="checkbox"/> WW <input type="checkbox"/> SW <input checked="" type="checkbox"/> DI				<input type="checkbox"/> LEACHATE				<input type="checkbox"/> OTHER:			
PURGING START		TIME: <b>X</b>		DATE: <b>X</b>		SAMPLE:		TIME: <b>17:00</b>		DATE: <b>3/30</b>	
SAMPLE METHOD:		<input checked="" type="checkbox"/> PUMP		<b>Bladder</b>		PH: <b>SU</b>		CONDUCTIVITY: umhos/cm			
		<input type="checkbox"/> BAILER				DO: mg/l		ORP: mV			
		<input type="checkbox"/> PASSIVE				<input type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY					
DEPTH TO WATER: T/ PVC				TURBIDITY: NTU							
DEPTH TO BOTTOM T/ PVC				TEMPERATURE: °C				OTHER			
WELL VOLUME: <input type="checkbox"/> LITERS <input type="checkbox"/> GALLONS				COLOR:				ODOR:			
VOLUME REMOVED: <input type="checkbox"/> LITERS <input type="checkbox"/> GALLONS				FILTRATE (0.45 um) <input type="checkbox"/> YES <input type="checkbox"/> NO							
COLOR:				ODOR:				FILT COLOR:			
TURBIDITY				QC SAMPLE: <input type="checkbox"/> MS/MSD <input type="checkbox"/> DUP-							
<input type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY				COMMENTS:							
DISPOSAL METHOD <input type="checkbox"/> GROUND <input type="checkbox"/> DRUM <input type="checkbox"/> OTHER											
BOTTLES FILLED											
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
<b>3</b>	40 mL	VOA	HCL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
SHIPPING METHOD:				DATE SHIPPED: <b>4/1/2022</b>				DATE SIGNED: <b>4/3/2022</b>			
				SIGNATURE: <b>Mark M</b>							

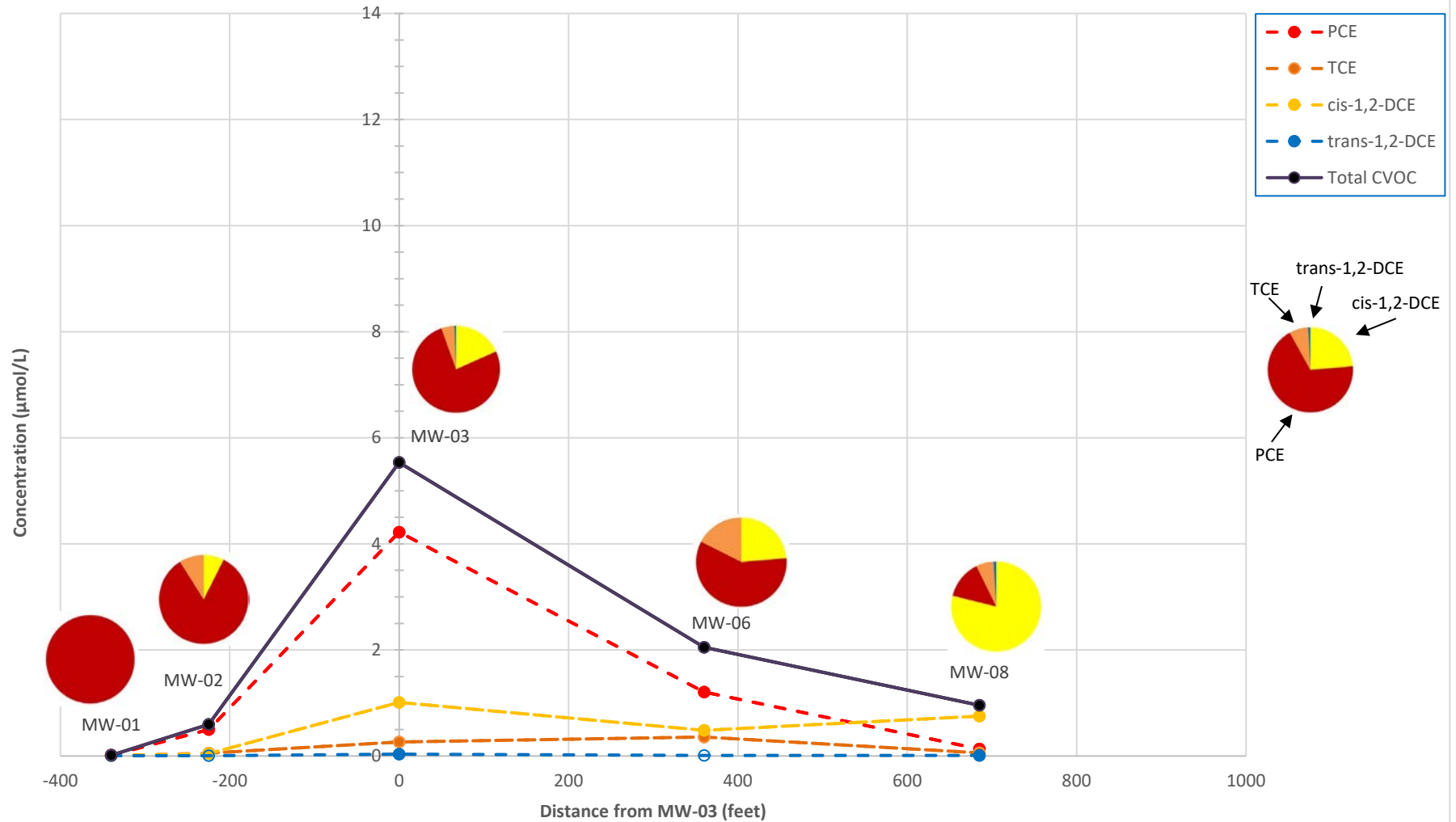


## WATER SAMPLE LOG

PROJECT NAME: <b>Aramark-Sikeston</b>				PREPARED				CHECKED			
PROJECT NUMBER: <b>255308</b>				BY: <b>MST</b>		DATE: <b>3/31</b>		BY:		DATE:	
WELL ID: <b>FB-043</b>				UNIQUE SAMPLE ID: <b>FB-01-</b>				WELL DIAMETER: <b>   </b> in			
WELL MATERIAL: <input type="checkbox"/> PVC <input type="checkbox"/> SS <input type="checkbox"/> GS <input type="checkbox"/> IRON				<input type="checkbox"/> OTHER: <b>NA</b>							
SAMPLE TYPE: <input type="checkbox"/> GW <input type="checkbox"/> WW <input type="checkbox"/> SW <input checked="" type="checkbox"/> DI				<input type="checkbox"/> LEACHATE				<input type="checkbox"/> OTHER:			
PURGING START		TIME: <b>X</b>		DATE: <b>X</b>		SAMPLE:		TIME: <b>10:00</b>		DATE: <b>3/31</b>	
SAMPLE METHOD:	<input checked="" type="checkbox"/> PUMP	<b>Bladder</b>				PH: <b>SU</b>		CONDUCTIVITY: <b>umhos/cm</b>			
	<input type="checkbox"/> BAILER					DO: <b>mg/l</b>		ORP: <b>mV</b>			
	<input type="checkbox"/> PASSIVE					<input type="checkbox"/> NONE <input type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY					
DEPTH TO WATER: <b>T/ PVC</b>				TURBIDITY: <b>NTU</b>							
DEPTH TO BOTTOM: <b>T/ PVC</b>				TEMPERATURE: <b>°C</b>				OTHER			
WELL VOLUME: <input type="checkbox"/> LITERS <input type="checkbox"/> GALLONS				COLOR:				ODOR:			
VOLUME REMOVED: <input type="checkbox"/> LITERS <input type="checkbox"/> GALLONS				FILTRATE (0.45 um) <input type="checkbox"/> YES <input type="checkbox"/> NO							
COLOR:				ODOR:				FILT COLOR:			
TURBIDITY				QC SAMPLE: <input type="checkbox"/> MS/MSD <input type="checkbox"/> DUP-				FILT ODOR:			
<input type="checkbox"/> NONE <input checked="" type="checkbox"/> SLIGHT <input type="checkbox"/> MODERATE <input type="checkbox"/> VERY				COMMENTS:							
DISPOSAL METHOD <input type="checkbox"/> GROUND <input type="checkbox"/> DRUM <input type="checkbox"/> OTHER											
BOTTLES FILLED											
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED		NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
<b>3</b>	40 mL	VOA	HCL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N						<input type="checkbox"/> Y <input type="checkbox"/> N	
SHIPPING METHOD:				DATE SHIPPED: <b>4/1/2022</b>				DATE SIGNED: <b>4/3/2022</b>			
				SIGNATURE: <b>[Signature]</b>							

## **Appendix E: VOC Concentrations vs. Distance (Events #1 - #16)**

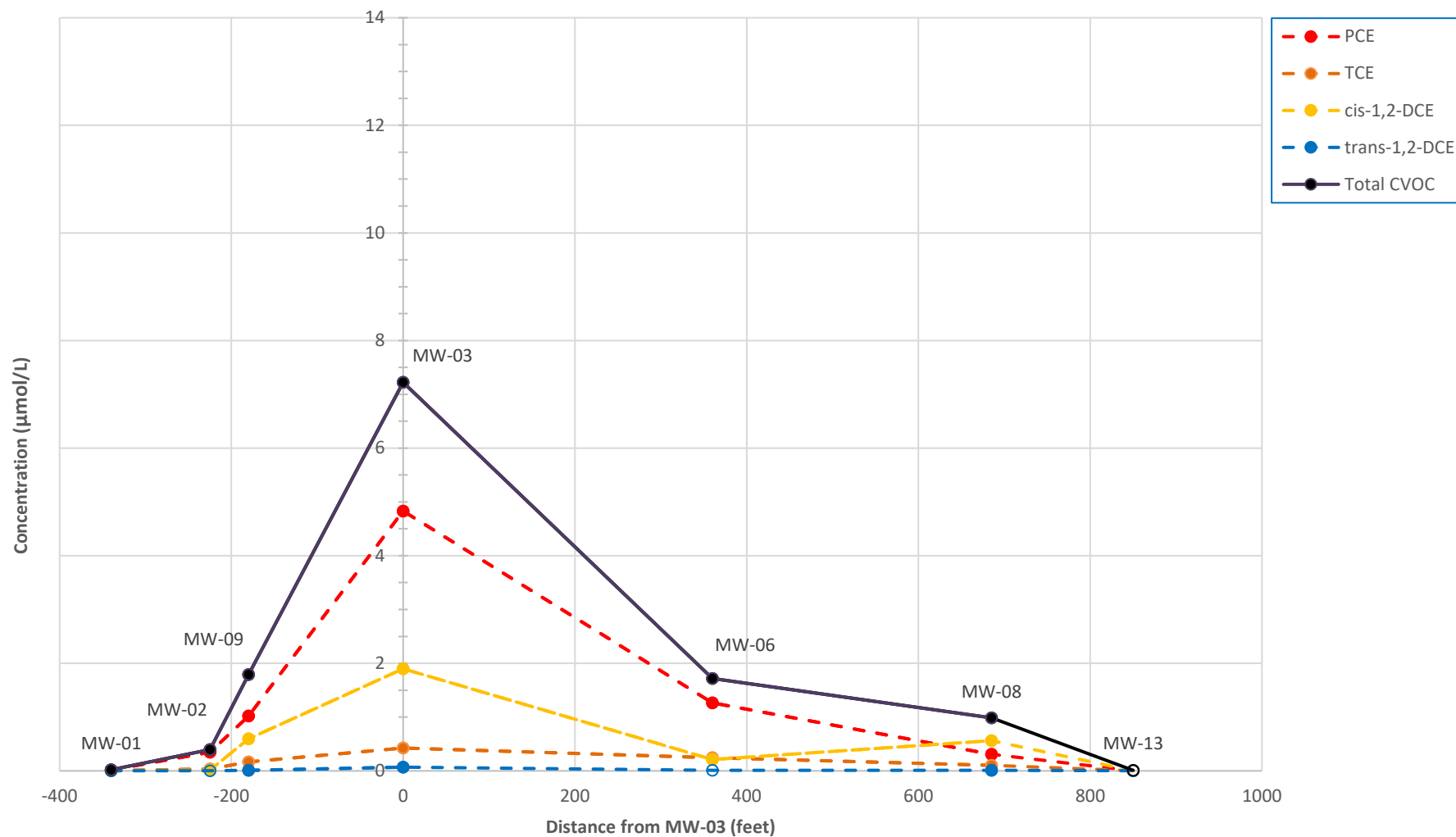
**VOC Concentration vs. Distance**  
**Event #1 & #2 (October 2016 and March 2017)**  
**Aramark - Sikeston, Missouri**



**Notes:**

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

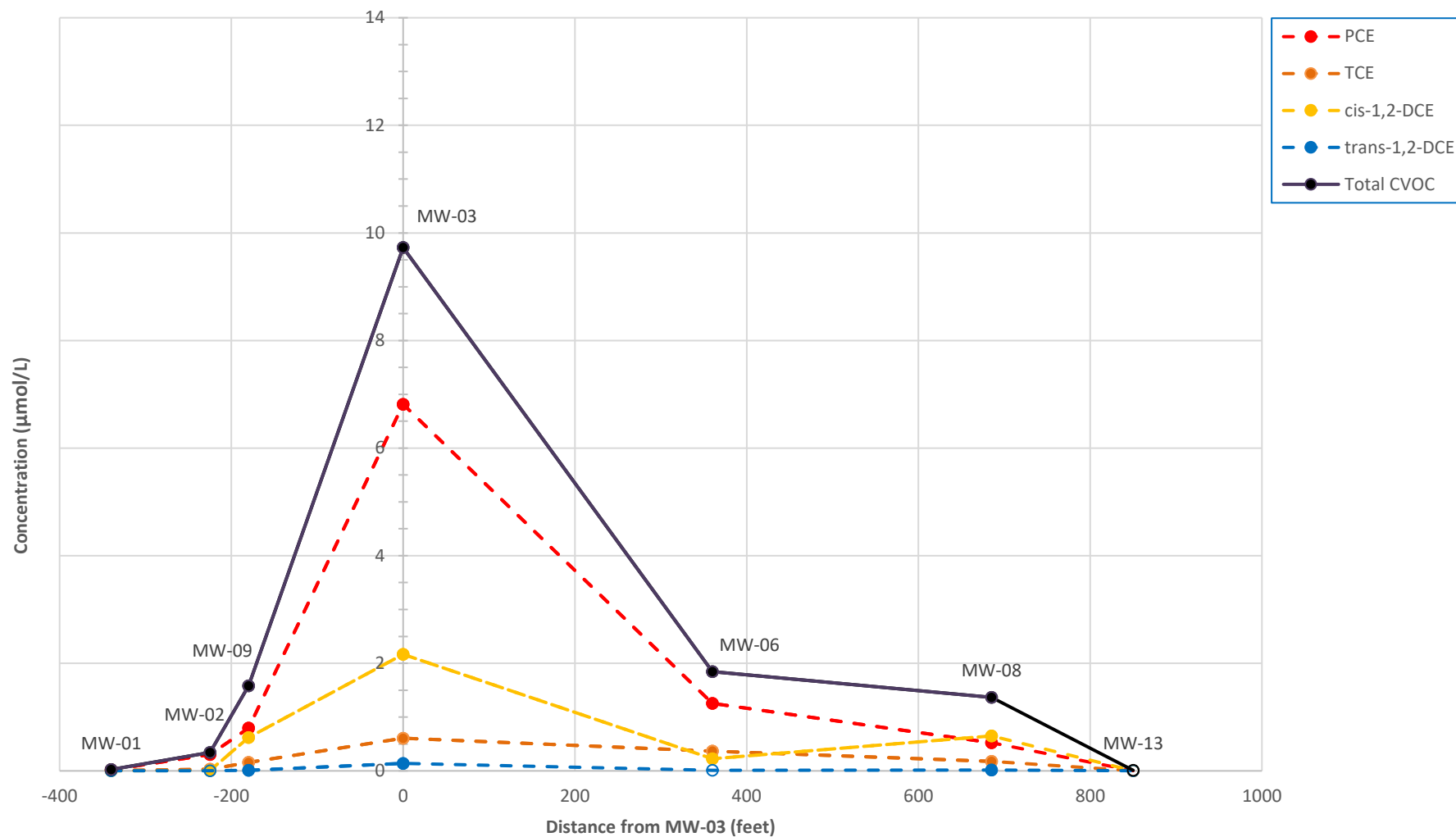
VOC Concentration vs. Distance  
Event #3 (October 2017)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

VOC Concentration vs. Distance  
Event #4 (February 2018)  
Aramark - Sikeston, Missouri

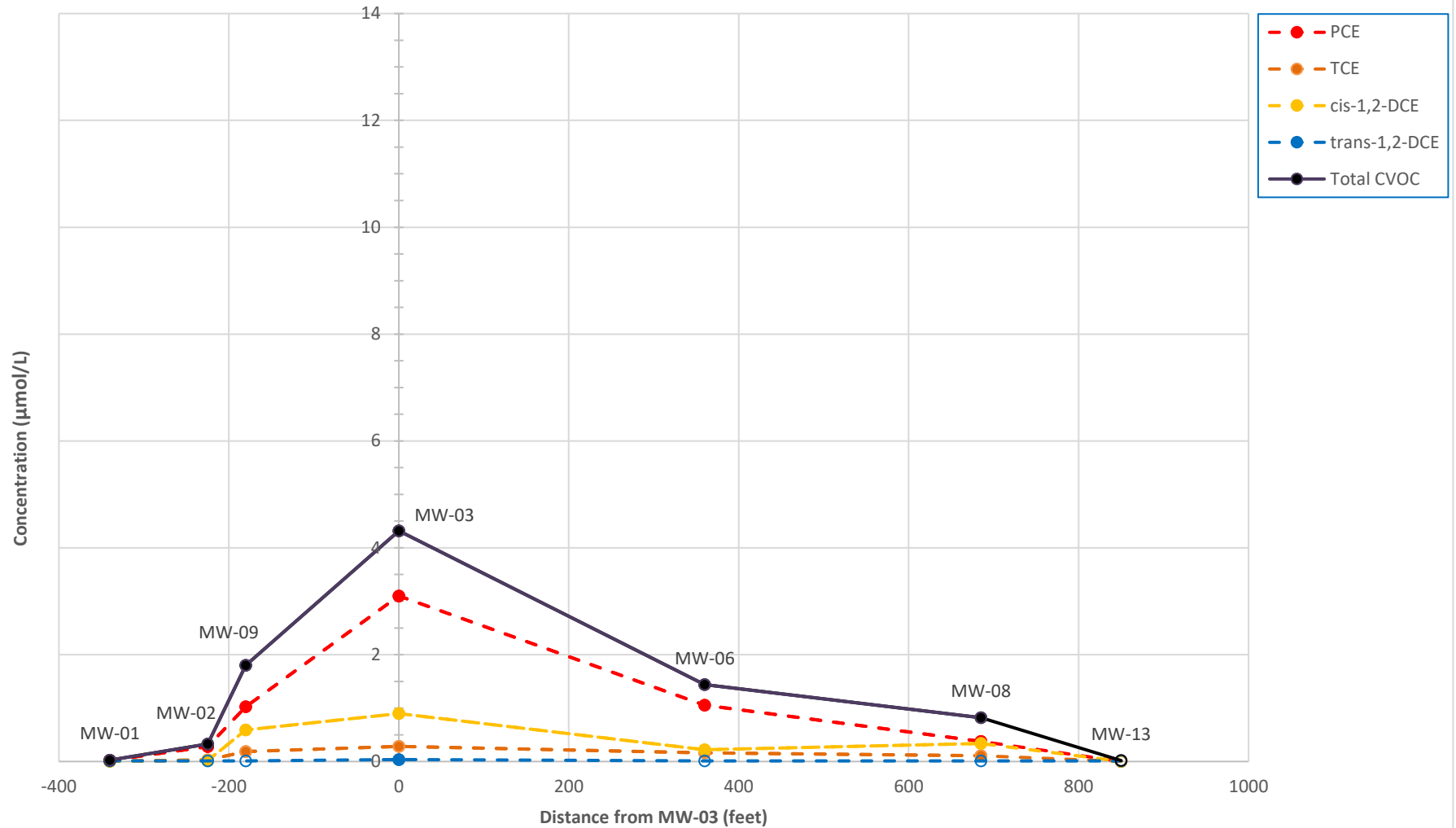


Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.



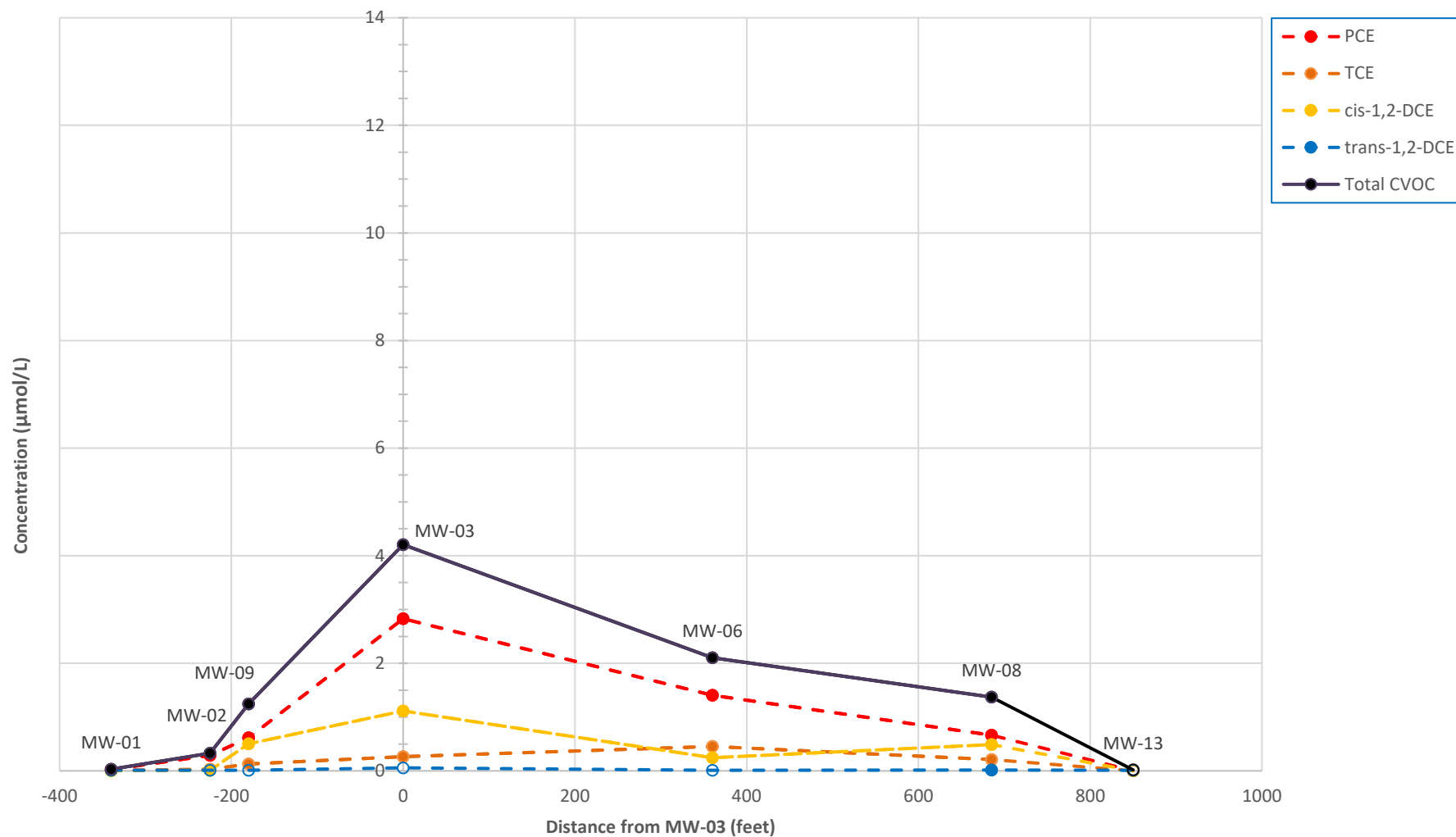
VOC Concentration vs. Distance  
Event #5 (August 2018)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

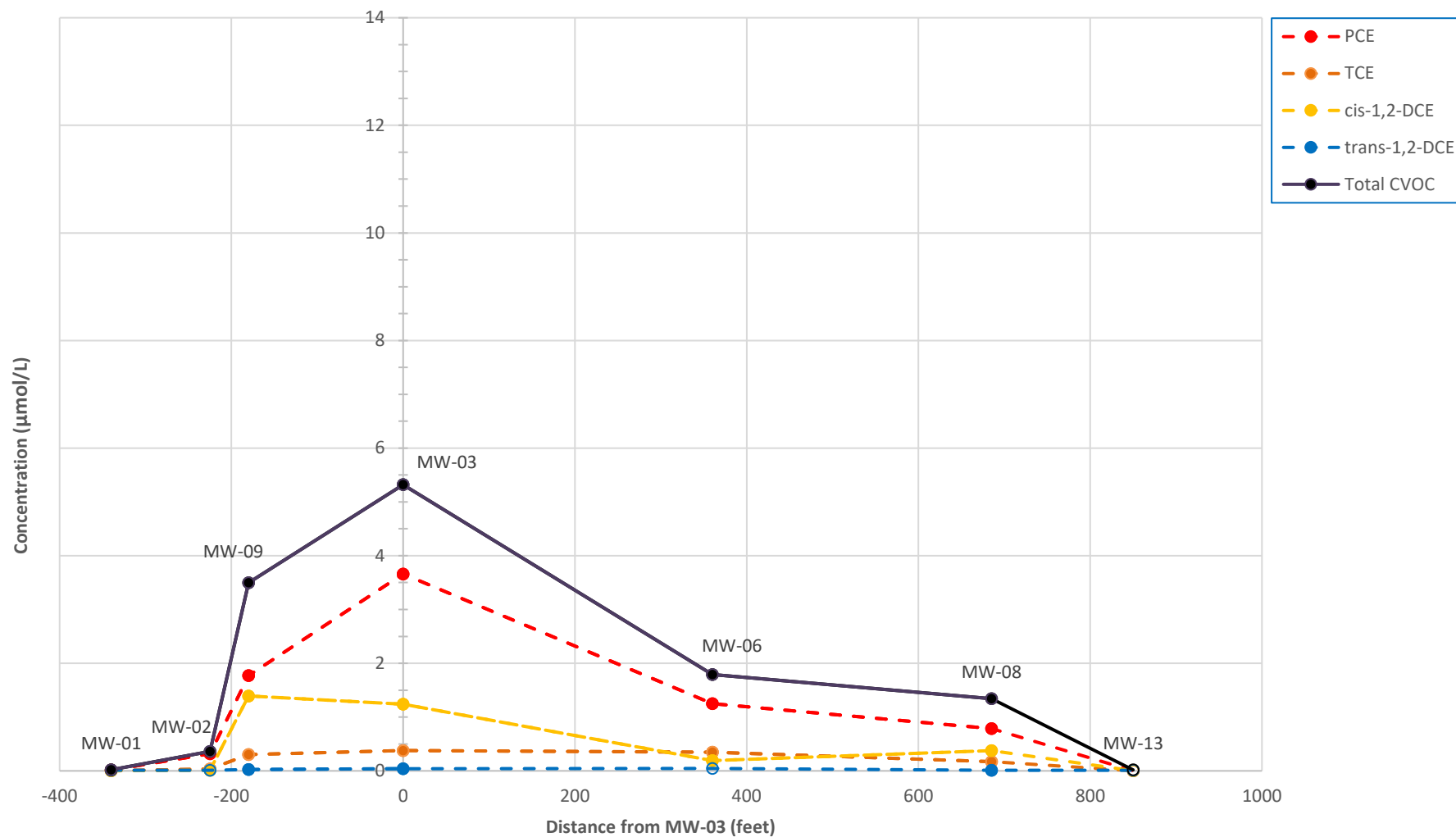
VOC Concentration vs. Distance  
Event #6 (November 2018)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

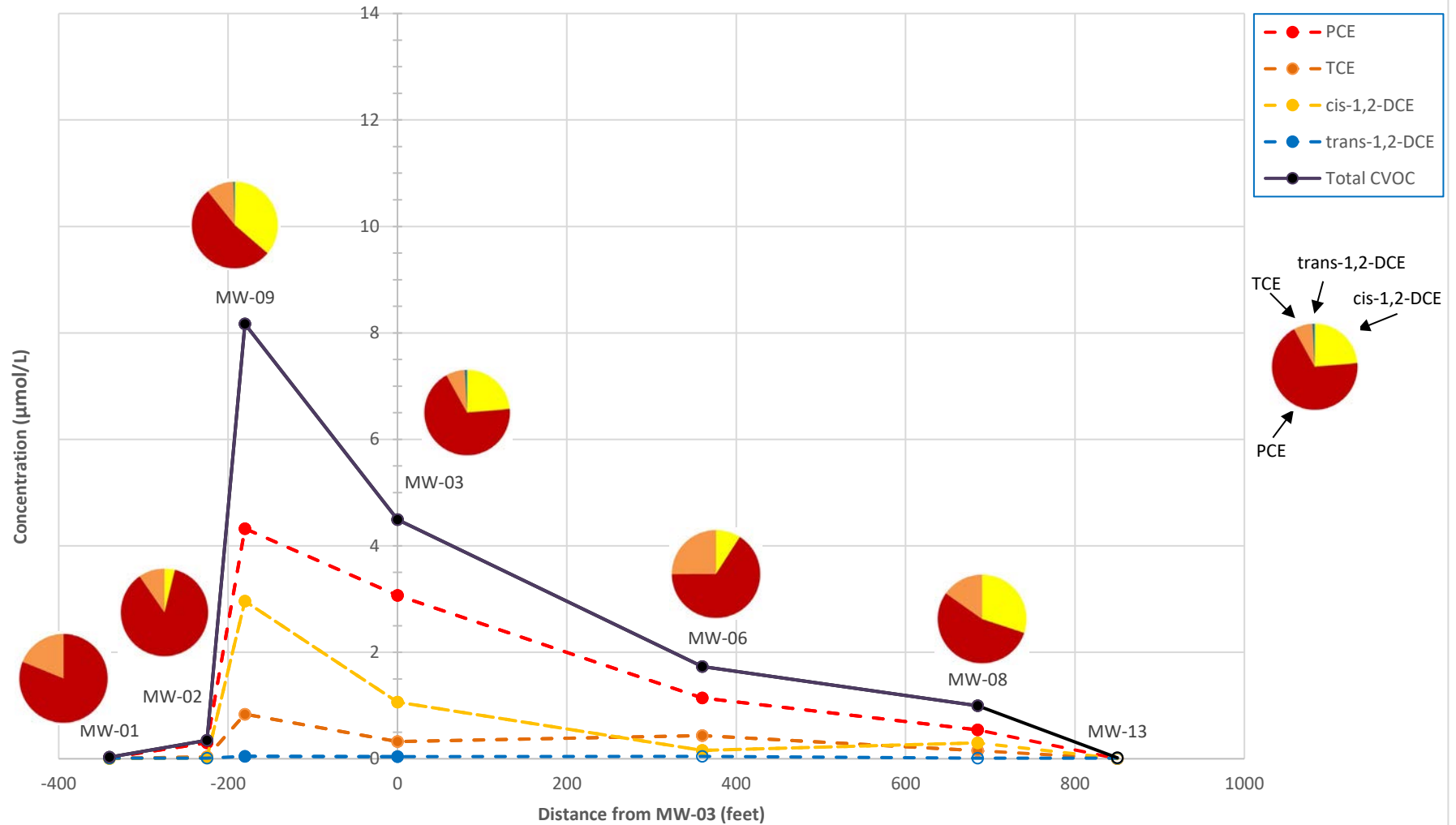
VOC Concentration vs. Distance  
Event #7 (February 2019)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

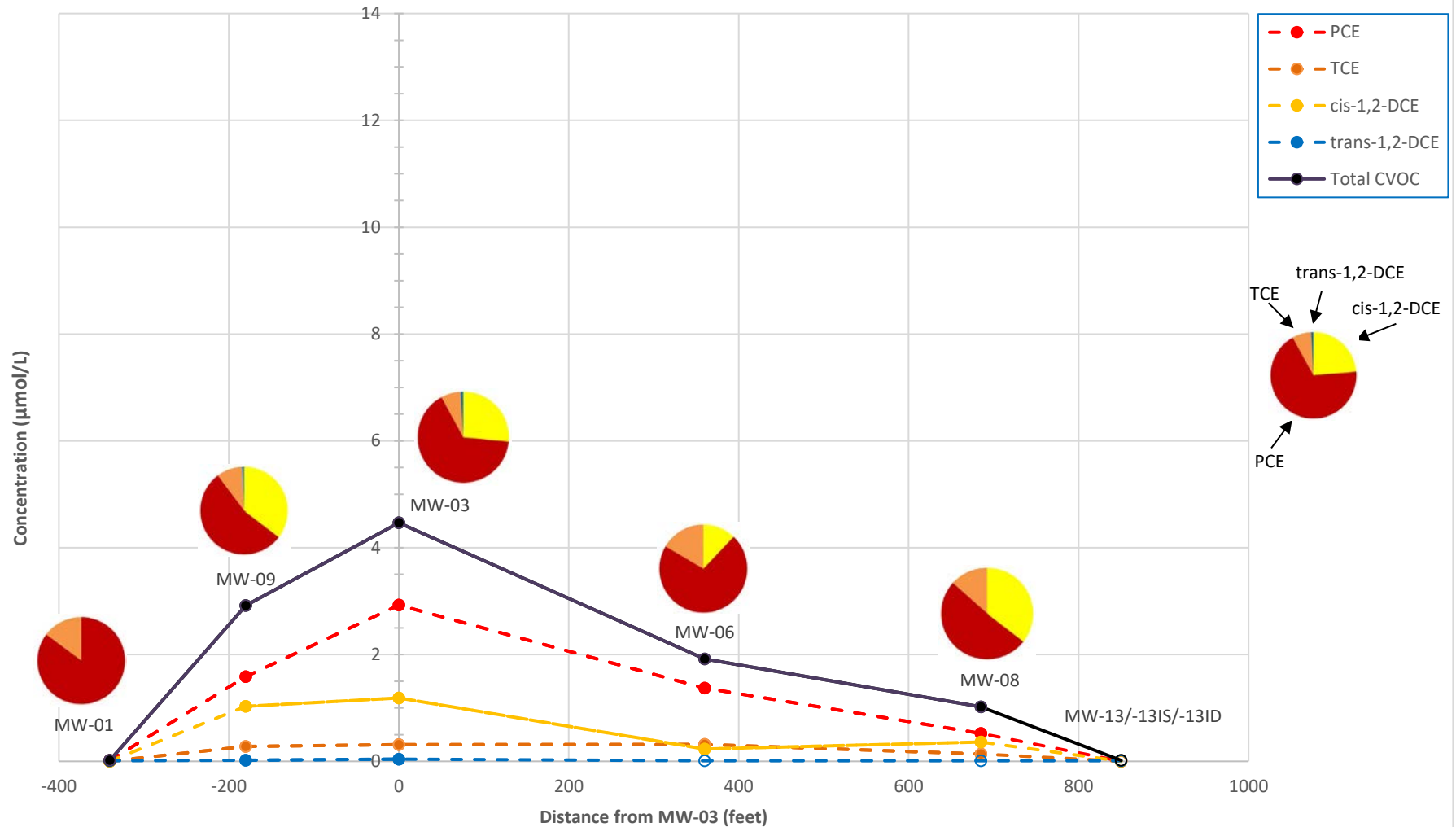
VOC Concentration vs. Distance  
Event #8 (May 2019)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

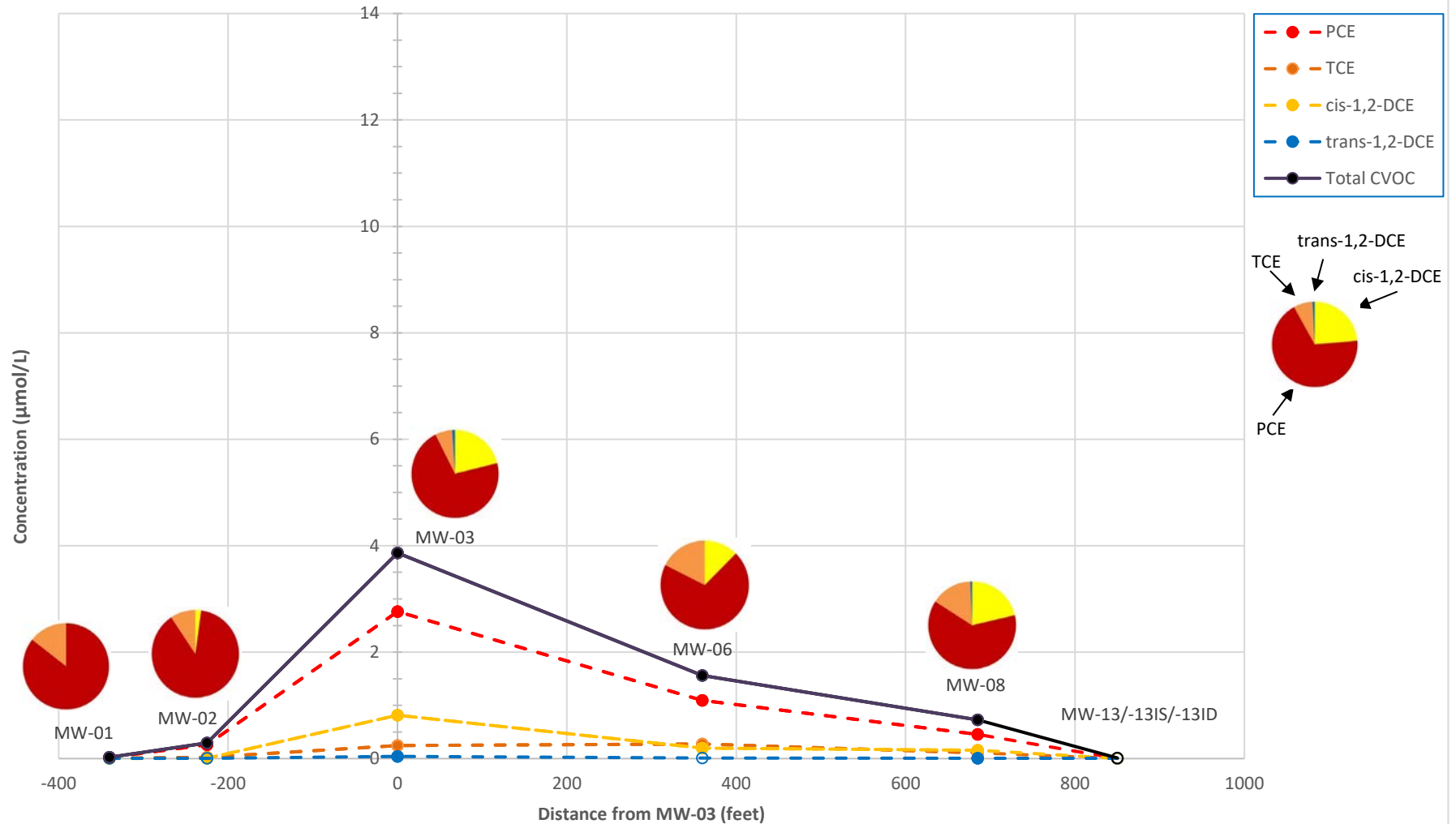
VOC Concentration vs. Distance  
Event #9 (December 2019)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

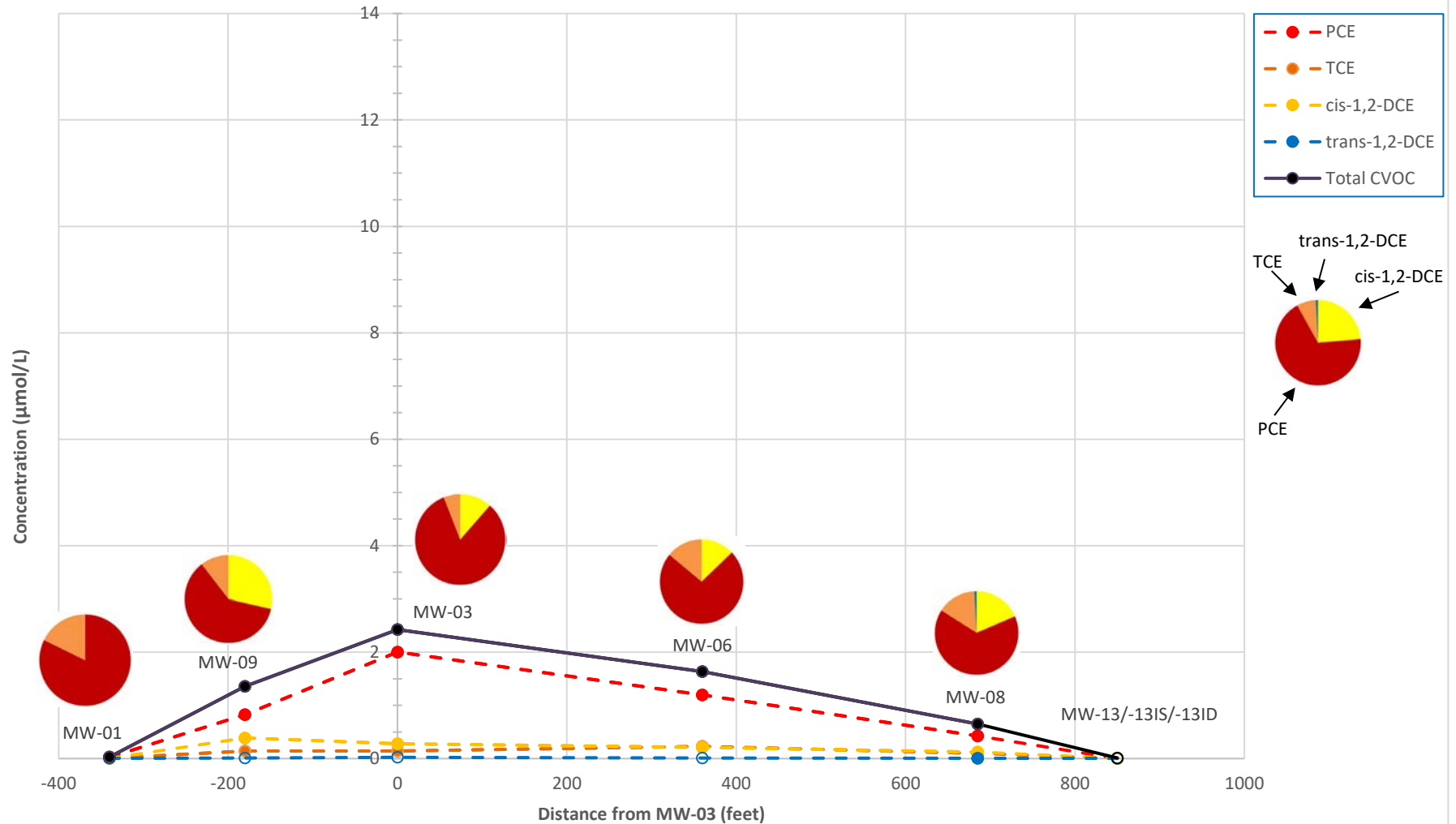
VOC Concentration vs. Distance  
Event #10 (March 2020)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

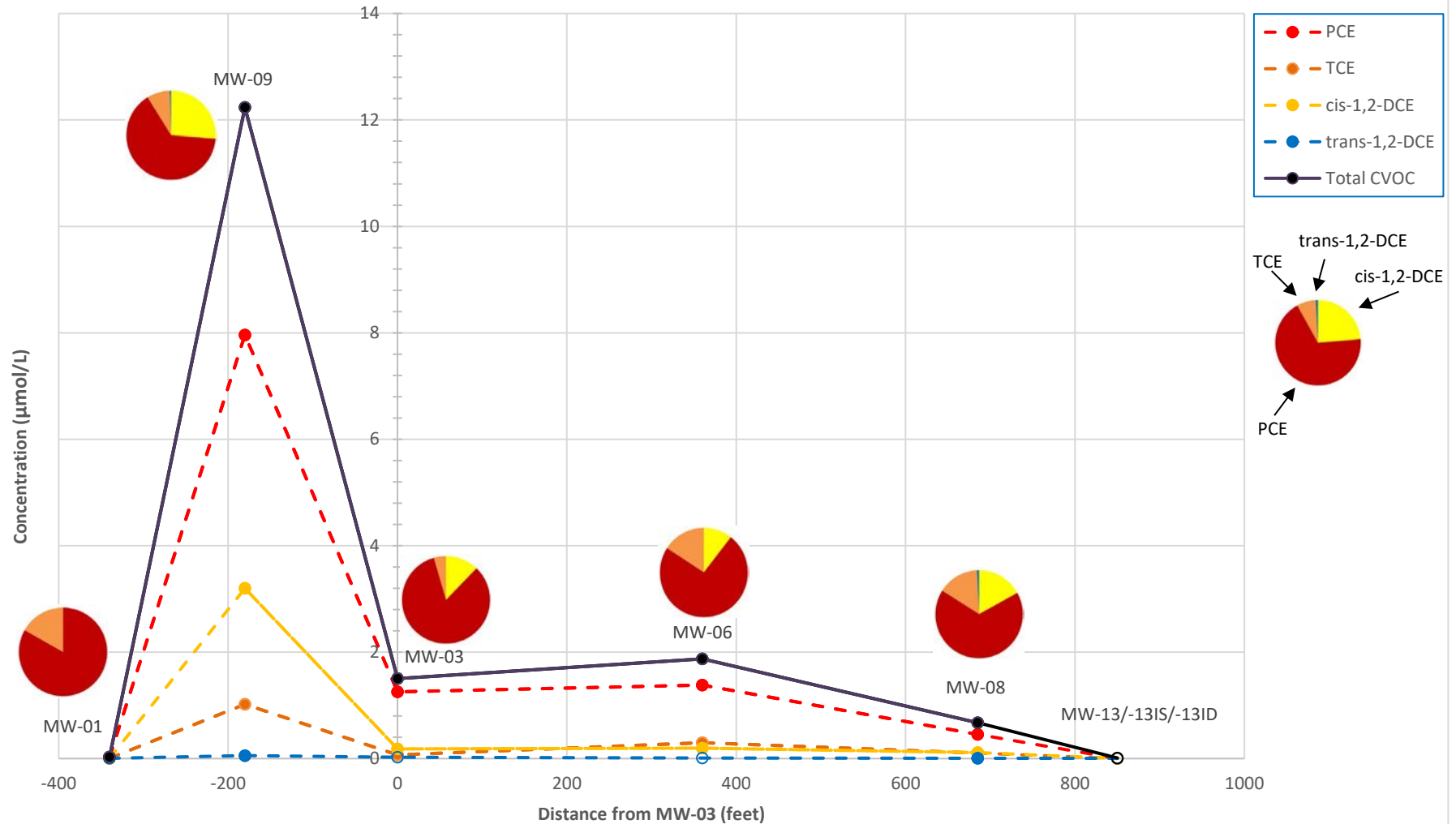
VOC Concentration vs. Distance  
Event #11 (June 2020)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

VOC Concentration vs. Distance  
Event #12 (September 2020)  
Aramark - Sikeston, Missouri

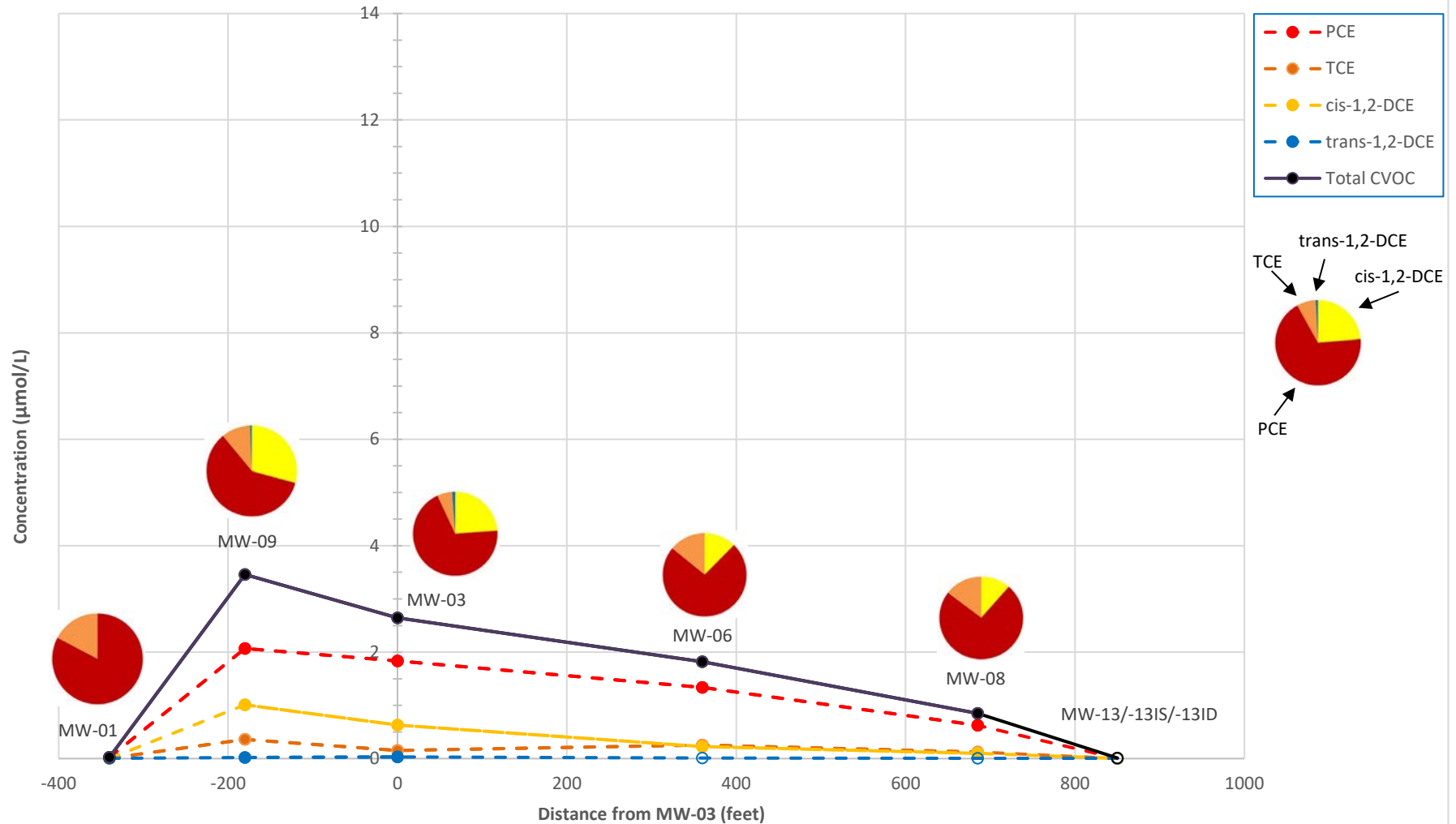


Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.



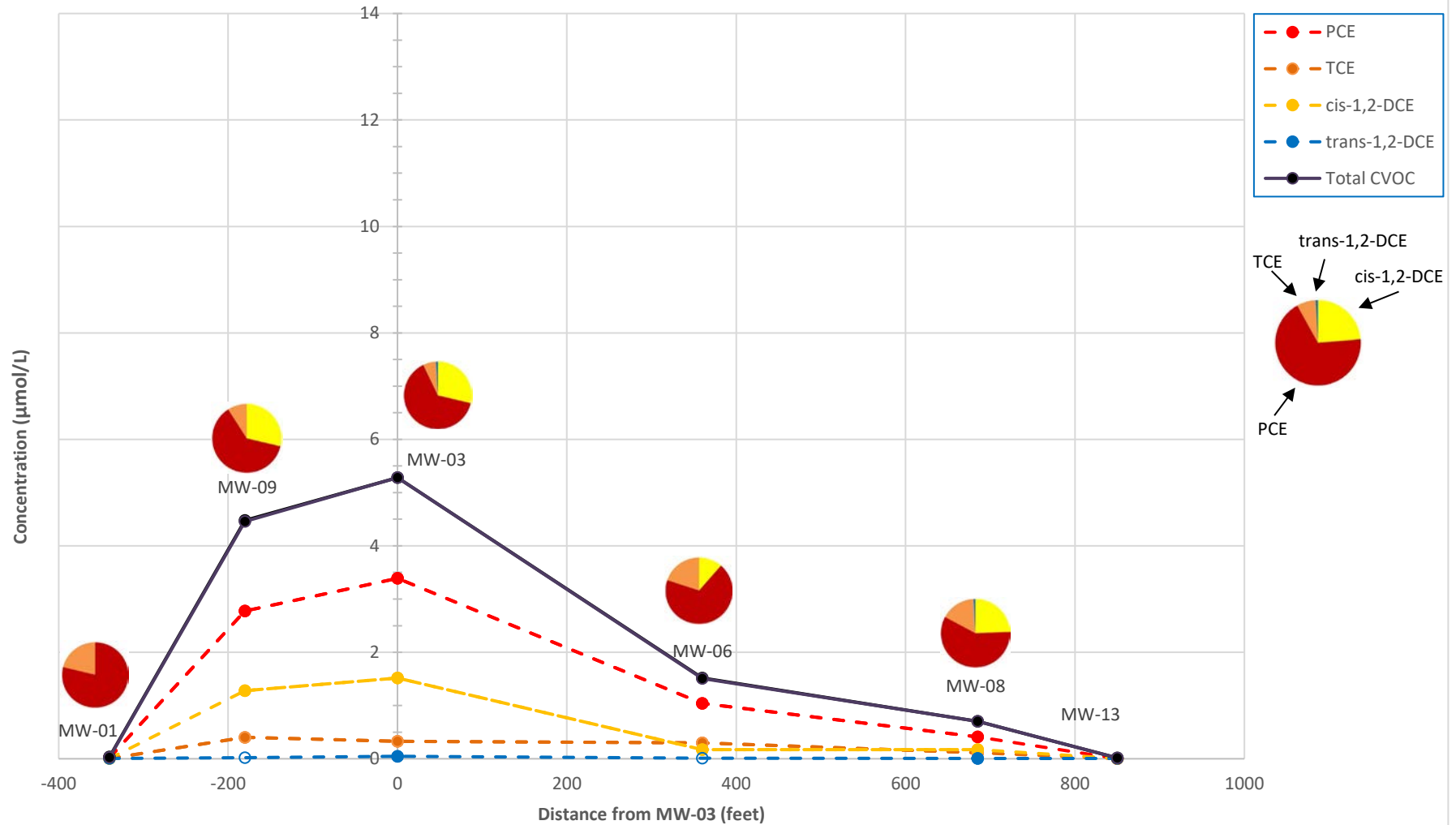
VOC Concentration vs. Distance  
Event #13 (December 2020)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-12-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

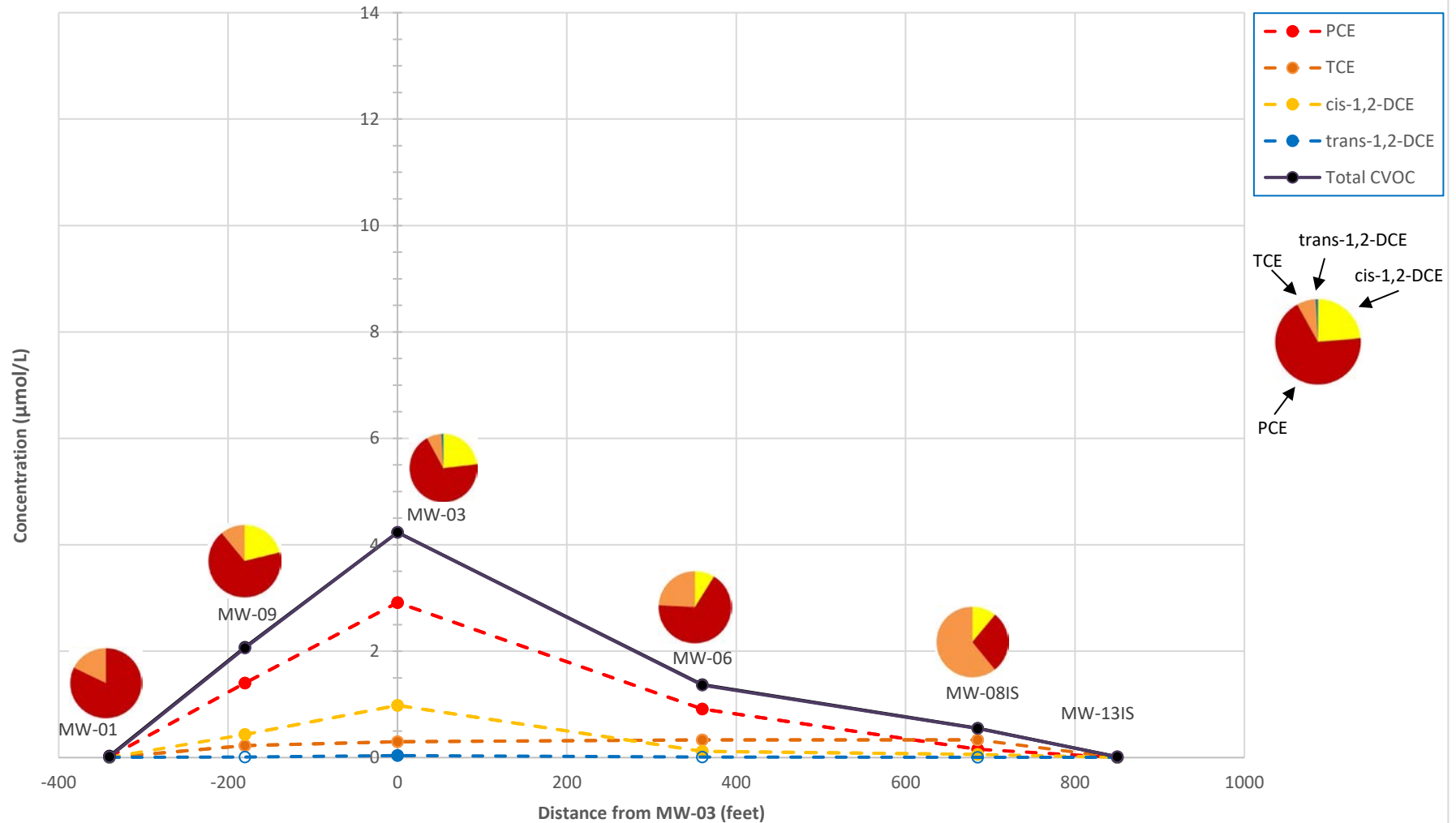
VOC Concentration vs. Distance  
Event #14 (June 2021)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

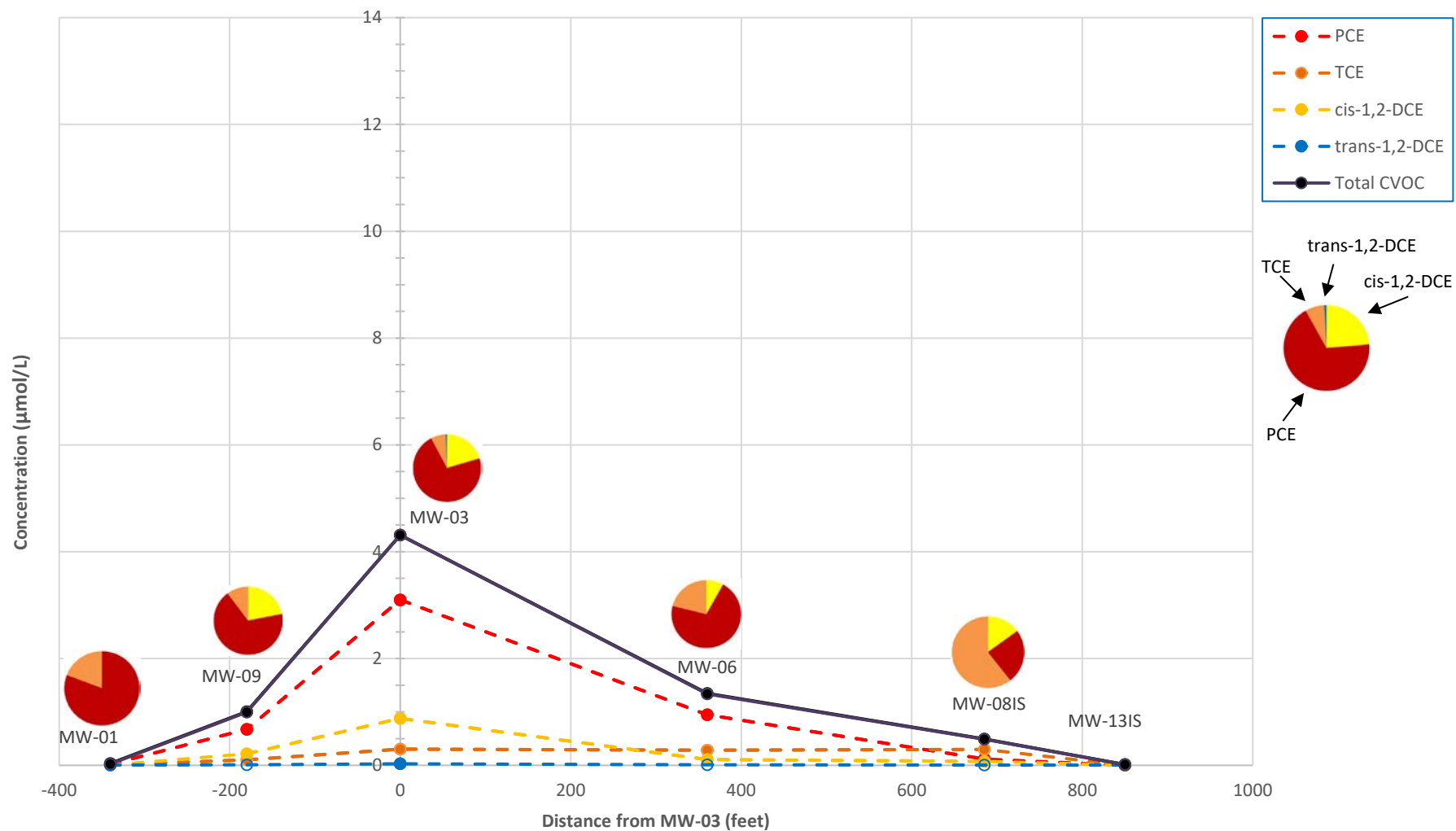
VOC Concentration vs. Distance  
Event #15 (September 2021)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.

VOC Concentration vs. Distance  
Event #16 (December 2021)  
Aramark - Sikeston, Missouri



Notes:

"Total CVOCs" is a total of detected concentrations of PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE. Non-detects were treated as "zero" values for the calculation; if no CVOCs were detected at a location, then the non-detect value was plotted at the sum of the detection limits. For the individual parameter plots, non-detect values were plotted at the detection limit. Non-detect results have open data symbols.